

DOCUMENT RESUME

ED 416 078

SE 061 110

TITLE Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997. Volume 45.

INSTITUTION National Science Foundation, Arlington, VA. Div. of Science Resources Studies.

REPORT NO NSF-97-327

PUB DATE 1997-00-00

NOTE 325p.

AVAILABLE FROM National Science Foundation, Div. of Science Resources Studies, 4201 Wilson Blvd., Arlington, VA 22230.

PUB TYPE Numerical/Quantitative Data (110) -- Reports - Descriptive (141)

EDRS PRICE MF01/PC13 Plus Postage.

DESCRIPTORS *Annual Reports; *Budgets; *Federal Government; *Financial Support; Full State Funding; *Research and Development; Tables (Data)

ABSTRACT

This annual report contains information on federal funding of research and development for fiscal years 1995, 1996, 1997. Data in the tables of this report were derived from the Survey of Federal Funds for Research and Development for Fiscal Years 1995, 1996, and 1997. They reflect research and development funding levels as reported by 33 federal agencies from May through August 1996. Research and development totals in these tables are given in both outlays and obligations. The research and development obligation data are further categorized according to character of work, performer, field of science or engineering, and Federal Research and Development funding by State. This report consists of three sections. The first section provides definitions of technical terms to the reader. The second section lists federally funded research and development centers by agency and type of administration. Section three contains statistical tables. Appended are agencies included in this survey (volumes 26 to 45). (ASK)

* Reproductions supplied by EDRS are the best that can be made *
* from the original document. *

Federal Funds for Research and Development

Fiscal Years 1995, 1996, and 1997

Volume 45

U.S. DEPARTMENT OF EDUCATION
Office of Educational Research and Improvement
EDUCATIONAL RESOURCES INFORMATION
CENTER (ERIC)

☒ This document has been reproduced as
received from the person or organization
originating it.

☐ Minor changes have been made to
improve reproduction quality.

• Points of view or opinions stated in this
document do not necessarily represent
official OERI position or policy.

Detailed Statistical Tables

BEST COPY AVAILABLE

Division of Science Resources Studies
Directorate for Social, Behavioral and Economic Sciences

National Science Foundation



NSF 97-327

Federal Funds for Research and Development

Fiscal Years 1995, 1996, and 1997

Volume 45

Detailed Statistical Tables

Ronald L. Meeks, Project Officer

Division of Science Resources Studies
Directorate for Social, Behavioral and Economic Sciences

National Science Foundation



NSF 97-327

Suggested Citation

National Science Foundation, Division of Science Resources Studies, *Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997*, Volume 45, Detailed Statistical Tables, NSF 97-327, by Ronald L. Meeks (Arlington, VA, 1997).

Availability of Publications

Single copies are available free of charge from the Division of Science Resources Studies, National Science Foundation, Arlington, VA 22230. SRS data are also available through the World Wide Web (<http://www.nsf.gov/sbe/srs/stats.htm>). If you are a user of electronic mail and have access to Internet, you may order publications electronically. Send requests to pubs@nsf.gov. In your request include the NSF publication number and title, your name, and a complete mailing address. Printed publications may also be ordered by fax (703-644-4278). Please allow 3 weeks for delivery.

Telephonic Device for the Deaf

(703) 306-0090

ACKNOWLEDGMENTS

The preparation of *Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997* was managed by Ronald L. Meeks, Senior Analyst, National Science Foundation (NSF), Division of Science Resources Studies (SRS), Research and Development Statistics Program (RDS), under the overall direction of John E. Jankowski, Jr., Program Director, RDS, with guidance and review provided by Jeanne E. Griffith, Division Director, SRS, and Alan R. Tupek, Deputy Division Director, SRS. Editorial assistance was provided by Anne M. Houghton,

Julia H. Harriston, and Tanya R. Gore of SRS. Quantum Research Corp. (QRC) of Bethesda, MD, under NSF contract number SRS-9421044, prepared the tables, general and technical notes, and report copy. QRC staff members who worked on this report were Heidi L. Clark, Keri R. Fullmer, Gail H. Henry, Hilary E. Jones, Elizabeth H. Peto, and Jennifer D. Ranwez. Many thanks to Stephen D. Nelson of the American Association for the Advancement of Science and to Alan I. Rapoport of SRS for their very helpful review of the Overview Section.

CONTENTS

<i>Section</i>	<i>Page</i>
OVERVIEW	vii
GENERAL NOTES	xv
A. TECHNICAL NOTES	1
B. FEDERALLY FUNDED RESEARCH AND DEVELOPMENT CENTERS	11
C. DETAILED STATISTICAL TABLES	17
APPENDIX A. AGENCIES INCLUDED IN THIS SURVEY, VOLUMES 26 TO 45	303
GETTING INFORMATION ON THE WORLD WIDE WEB ORDER FORM	

OVERVIEW

INTRODUCTION

Federal agencies expected their funding for research and development (R&D) and R&D plant to decrease 1 percent (4-percent decrease in inflation-adjusted 1992 dollars) to \$70 billion in fiscal year (FY) 1997, according to survey reports received during the period May through August 1996. Development accounts for the entire R&D decrease, declining by 4 percent (a 6-percent decrease in constant 1992 dollars) from estimated FY 1996 levels (to \$39 billion). Research spending (including basic and applied research) will increase 2 percent (to \$29 billion). But after adjusting for inflation, Federal obligations for research will decline slightly by 0.4 percent. Research would account for 42 percent of the FY 1997 R&D money. Also, R&D plant will increase 6 percent (a 3-percent increase in constant 1992 dollars) to \$2 billion. The estimated obligations provided in this report are subject to change as Federal agencies' budgets are updated to reflect approved programs.

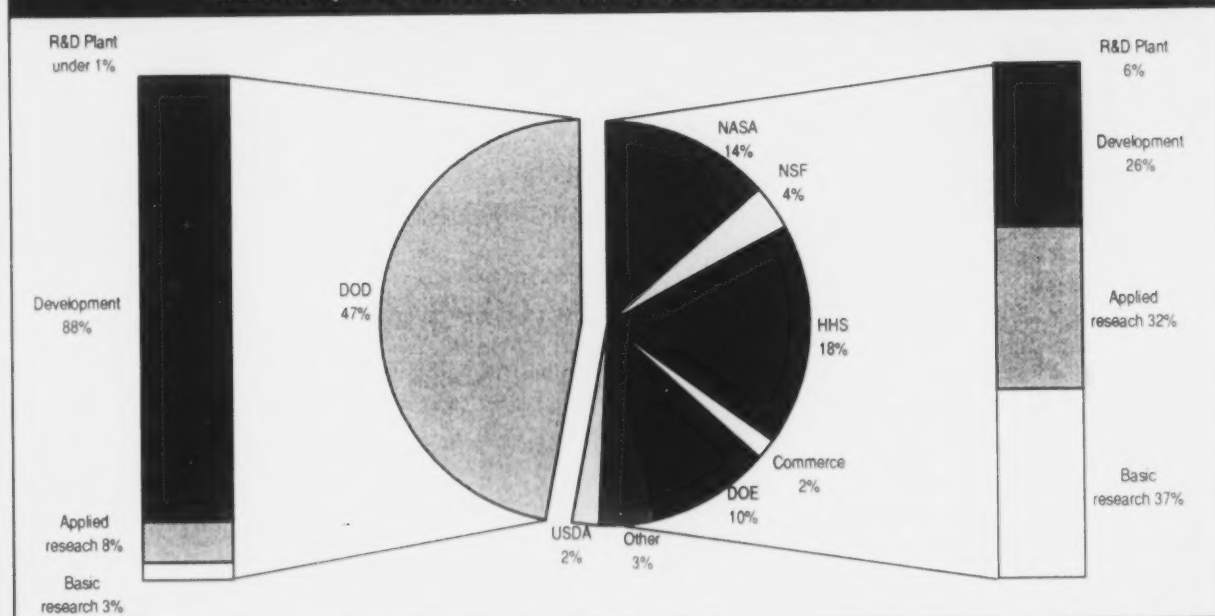
AGENCY TOTAL FUNDING SHARES

Seven Federal agencies, out of the 33 that report to the R&D survey, account for 97 percent (\$67 billion) of total projected Federal funding for R&D and R&D

plant in FY 1997 (Chart 1). The Department of Defense (DOD) will still comprise the largest share (47 percent), even though its funding will decrease 4 percent from FYs 1996-97. Contributing to DOD's drop in overall R&D funding are Navy (14 percent decrease), combined Defense agencies (12 percent decrease), and the Army (its military functions component) (10-percent decrease). Within the Defense agencies, the Washington Headquarters Services (WHS) (down 23 percent), Special Operations Command (down 20 percent), and Ballistic Missile Defense Organization (BMDO) (down 13 percent) report the largest percentage decreases in proposed R&D funding.

Funding from the Department of Health and Human Services (HHS) will comprise the second largest share of Federal agencies' R&D funding (18 percent), increasing by 3 percent from the FY 1996 level. Most (94 percent) of the HHS amount is from its National Institutes of Health (NIH) for support of the life sciences. The other top funding agencies are the National Aeronautics and Space Administration (NASA) (14 percent of the FY 1997 Federal R&D and R&D plant total), the Department of Energy (DOE) (10 percent), the National Science Foundation (NSF) (4 percent), the Department of Commerce (2 percent), and the National Science Foundation (NSF) (4 percent).

Chart 1. Projected Federal obligations, by agency and character of work: 1997



SOURCE: NSF/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997.

percent), the Department of Agriculture (USDA) (2 percent), and the Department of Commerce (DOC) (nearly 2 percent). Almost all (99 percent) of DOC's funding is from its National Institute of Standards and Technology (NIST) and National Oceanic and Atmospheric Administration (NOAA). NASA, DOC, and USDA each project that combined R&D and R&D plant funding will decline in FY 1997, whereas such funding from DOE and NSF is slated to increase.

R&D GROWTH IN THE 1990s

Of the seven major R&D funding agencies, DOC reports the largest estimated R&D and R&D plant funding annual growth rate for the FYs 1990-97 period (15 percent, 12 percent in constant 1992 dollars)

(Table 1). DOC's growth reflects the rapid increases in funding at NIST. Even though reporting a projected 9-percent decrease in overall R&D funding in FY 1997, NIST increased its obligations from \$131 million (\$141 million in constant dollars) in FY 1990 to \$647 million (\$573 million in constant dollars) in FY 1997. However, the FY 1997 NIST R&D funding level is nearly back to what it was in FY 1995. HHS follows DOC with a 6-percent growth rate (3 percent in constant dollars during the same period). NSF expects its R&D and R&D plant funding to average 5-percent growth per year (2 percent in constant dollars) from FYs 1990-97. DOD's obligations will drop on average 2 percent annually. In constant dollars, its funding will decrease at an estimated annualized rate of 5 percent over this seven-year period.

Table 1. Federal Obligations for R&D and R&D Plant: Fiscal Years 1990-97

Agency	FY 1990 Actual	FY 1991 Actual	FY 1992 Actual	FY 1993 Actual	FY 1994 Actual	FY 1995 Actual	FY 1996 Preliminary	FY 1997 Preliminary	Average Percentage Change FYs 1990-97
(in millions of current dollars)									
Total.....	65,831	64,148	68,577	70,415	69,427	71,012	71,048	70,149	0.9
DOD.....	37,756	32,561	36,526	36,221	34,788	34,427	34,369	33,004	-1.9
HHS.....	8,513	9,842	9,085	10,499	11,142	11,711	12,218	12,614	5.8
NASA.....	7,060	8,004	8,475	8,769	8,812	9,640	9,946	9,519	4.4
DOE.....	6,547	7,203	7,493	7,724	6,960	6,890	6,432	6,721	0.4
NSF.....	1,729	1,945	1,970	2,012	2,212	2,439	2,361	2,479	5.3
USDA.....	1,211	1,381	1,492	1,470	1,525	1,523	1,502	1,494	3.1
DOC.....	454	505	672	682	857	1,214	1,252	1,201	14.9
Other.....	2,562	2,707	2,864	3,038	3,131	3,168	2,968	3,117	2.8
(in millions of constant 1992 dollars)									
Total.....	70,634	65,996	68,577	68,630	66,121	65,996	64,530	62,134	-1.8
DOD.....	40,510	33,498	36,526	35,303	33,131	31,995	31,216	29,233	-4.6
HHS.....	9,135	10,126	9,085	10,232	10,611	10,884	11,097	11,173	2.9
NASA.....	7,575	8,234	8,475	8,547	8,392	8,959	9,034	8,431	1.5
DOE.....	7,024	7,411	7,493	7,528	6,629	6,403	5,842	5,953	-2.3
NSF.....	1,855	2,001	1,970	1,961	2,107	2,267	2,144	2,196	2.4
USDA.....	1,299	1,421	1,492	1,433	1,452	1,415	1,364	1,323	0.3
DOC.....	487	520	672	664	816	1,128	1,137	1,064	11.8
Other.....	2,749	2,785	2,864	2,961	2,982	2,944	2,696	2,761	0.1

SOURCE: National Science Foundation SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997.

DEVELOPMENT FUNDING

As in the past, the Federal Government obligates the largest portion of its R&D dollars for development, which accounts for approximately 55 percent of the FY 1997 preliminary total R&D and R&D plant obligations. However, the development share has been decreasing throughout the 1990's, having declined from its peak 64-percent share in FY 1990 (Chart 2). Agencies project development funds to drop 4 percent (down 6 percent in constant 1992 dollars) from their FY 1996 level, to \$39 billion (\$34 billion in constant 1992 dollars) in FY 1997.

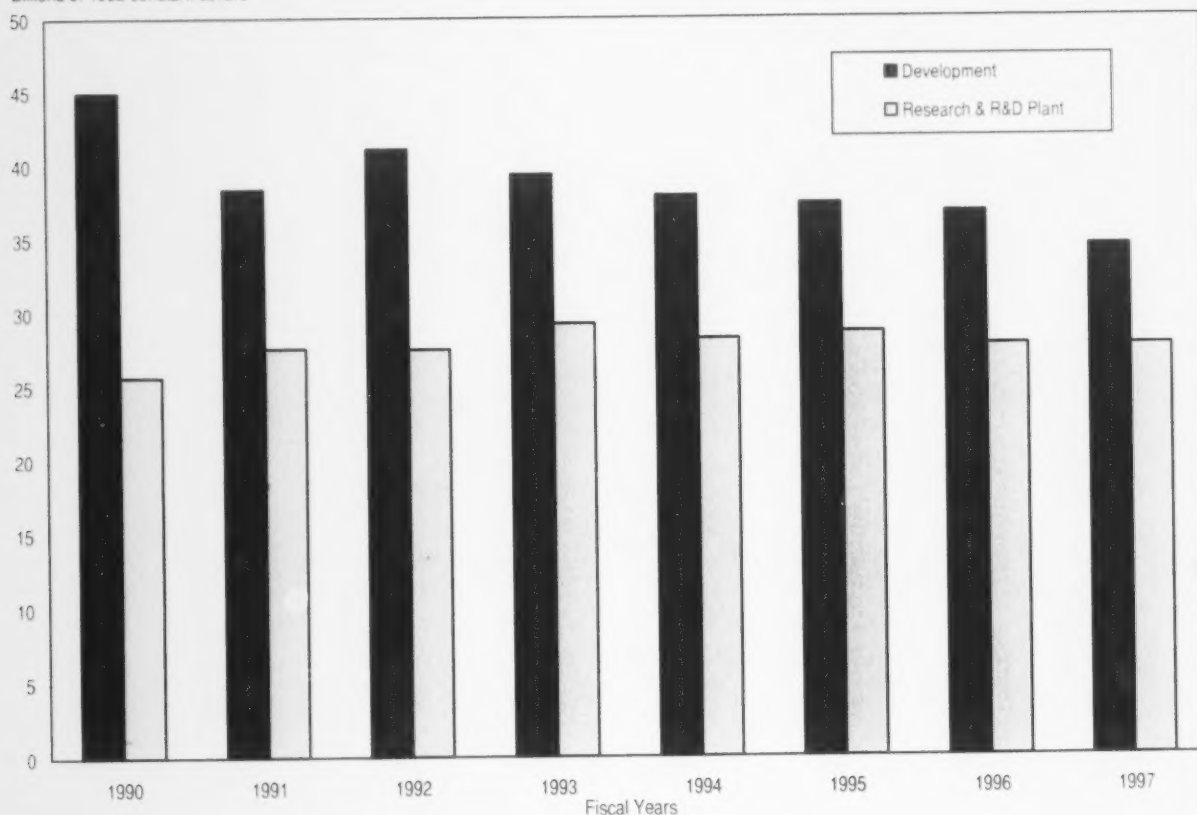
Six agencies account for 99 percent of estimated Federal development obligations in FY 1997 (Table 2). These agencies are DOD (more than three-fourths from the three service agencies—Army, Navy, and Air Force), NASA, DOE, HHS (almost entirely from NIH).

Department of Transportation (DOT) (more than 90 percent from the Federal Aviation Administration and Federal Highway Administration), and DOC (more than three-fourths from NIST). However, after adjusting for inflation, all six of these agencies report an expected decrease in development funding for FY 1997: DOC (down 19 percent), NASA (down 9 percent), DOD (down 6 percent), DOE (down 5 percent), DOT (down 1 percent), and HHS (down under 1 percent).

To better understand the component pieces of Federal R&D funding and to allow a closer look at the funding activity of DOD agencies that report to the Federal Funds Survey, NSF collects data on DOD development dollars in two categories: advanced technology development and major systems development. Advanced technology includes development for military and nondefense applications. Major systems

Chart 2. Federal Obligations for R&D and R&D Plant: Fiscal Years 1990-97

Billions of 1992 constant dollars



SOURCE: NSF/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

Table 2. Federal Obligations for Development: Fiscal Years 1990-97

Agency	FY 1990 Actual	FY 1991 Actual	FY 1992 Actual	FY 1993 Actual	FY 1994 Actual	FY 1995 Actual	FY 1996 Preliminary	FY 1997 Preliminary	Average annual percent change, FY 1990-97
(millions of current dollars)									
Total.....	41,937	37,327	41,102	40,424	39,815	40,181	40,499	38,890	-1.1
DOD.....	33,739	28,417	32,056	31,066	30,304	30,028	30,336	29,103	-2.1
NASA.....	3,473	3,909	4,428	4,471	4,456	4,969	5,332	4,964	5.2
DOE.....	3,060	2,709	2,760	2,822	2,766	2,685	2,376	2,320	-3.9
HHS.....	939	1,594	1,042	1,157	1,285	1,379	1,390	1,417	6.1
DOT.....	247	265	288	319	347	356	307	311	3.3
DOC.....	61	40	55	74	108	244	275	227	20.6
USDA.....	47	61	66	76	77	80	150	82	8.3
Other.....	371	331	406	439	473	440	334	466	3.3
(millions of constant 1992 dollars)									
Total.....	44,997	38,402	41,102	39,399	37,919	37,343	36,784	34,447	-3.7
DOD.....	36,201	29,235	32,056	30,278	28,861	27,907	27,553	25,778	-4.7
NASA.....	3,726	4,022	4,428	4,358	4,244	4,618	4,843	4,396	2.4
DOE.....	3,283	2,788	2,760	2,750	2,634	2,495	2,158	2,055	-6.5
HHS.....	1,007	1,639	1,042	1,127	1,224	1,282	1,262	1,255	3.2
DOT.....	265	273	288	311	331	331	279	276	0.5
DOC.....	66	41	55	72	103	226	249	201	17.4
USDA.....	51	63	66	74	74	75	136	73	5.4
Other.....	398	341	406	428	450	409	303	413	0.5

SOURCE: NSF/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

include testing and evaluation of mostly defense-related systems. This *Federal Funds* volume is the second to include such statistics on development funding.

DOD expects to provide \$25 billion (86 percent of its total development obligations) toward major systems development, which represents a projected 2-percent drop in FY 1997 (down 4 percent in constant 1992 dollars) (Table 3). Combined, the Air Force, Navy, Army (its Military Functions component), and BMDO expect to account for \$23 billion (94 percent) of the estimated major systems development obligations. However, three of these four funders expect decreases in major systems development from FYs 1996-97—Army and Navy expect to decline by 5.5 percent and 15 percent, respectively, and BMDO is slated to drop by 11 percent. Air Force will increase its

funding more than \$1 billion (12 percent), three times the increase from FYs 1995-96.

DOD projects that advanced technology development funding will decrease \$0.7 billion (15 percent to \$4 billion) in FY 1997. Six DOD agencies account for nearly all (97 percent) of the estimated advanced technology development funding. They are the Defense Advanced Research Projects Agency (DARPA) (\$1 billion for advanced technology development), WHS (\$0.7 billion), BMDO (\$0.6 billion), and the three service agencies, each with \$0.5 billion. However, each of these agencies reports an expected decrease in funding for advanced technology development from FYs 1996-97—Army down by \$300 million, WHS down by \$181 million, BMDO down by \$125 million, and DARPA down by \$103 million.

Table 3. Federal Obligations for Development by Agencies in DOD: Fiscal Years 1994-97

	(millions of current dollars)				
	FY 1994 Actual	FY 1995 Actual	FY 1996 Preliminary	FY 1997 Preliminary	Percentage Change FYs 1996-97
Total DOD.....					
Basic Research.....	1,222	1,264	1,134	1,146	1.0
Applied Research.....	3,040	3,070	2,814	2,716	-3.5
Development 1/.....	30,304	30,028	30,336	29,103	-4.1
Advanced Tech.....	4,461	4,578	4,829	4,101	-15.1
Major Systems.....	25,812	25,450	25,507	25,002	-2.0
Army.....					
Development.....	4,721	4,567	4,184	3,701	-11.5
Advanced Tech.....	1,187	641	764	470	-38.4
Major Systems.....	3,514	3,926	3,421	3,231	-5.5
Navy.....					
Development.....	8,082	8,083	7,863	6,728	-14.4
Advanced Tech.....	412	414	484	449	-7.2
Major Systems.....	7,670	7,669	7,379	6,279	-14.9
Air Force.....					
Development.....	11,713	10,963	11,214	12,487	11.4
Advanced Tech.....	448	566	501	487	-2.8
Major Systems.....	11,265	10,398	10,713	12,000	12.0
Total Defense Agencies.....					
Development.....	5,544	6,161	6,824	5,913	-13.3
Advanced Tech.....	2,414	2,958	3,080	2,695	-12.5
Major Systems.....	3,120	3,204	3,744	3,218	-14.0

1/ DOD development does not equal the sum of the advanced technology and major systems detail because some DOD agencies could not break down development into these two categories.

SOURCE: NSF/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

BASIC RESEARCH FUNDING

Basic research support will reach almost \$15 billion dollars, according to the preliminary FY 1997 estimates. By comparison, Federal agencies report applied research funding will total just slightly more than \$14 billion. In constant 1992 dollars, basic research will decrease nearly 1 percent, and applied research will remain flat.

The basic research share of Federal R&D obligations has increased slowly since FY 1992. In FY 1992, basic research comprised 18 percent of the total R&D. That percentage increased slightly each year and reaches 21 percent in FY 1997, according to preliminary estimates. Overall, Federal agencies report a 4-

percent average annual rate of growth (1 percent in constant 1992 dollars) from FYs 1990-97. When adjusted for inflation, basic research funding has held steady at about \$13 billion since FY 1993.

Six agencies provide 97 percent of the estimated Federal basic research total in FY 1997 (Chart 3). They are HHS (almost entirely from NIH), NSF, DOE, NASA, DOD, and USDA. Of these six agencies, only NASA reports an expected decrease in basic research funding for FY 1997, dropping 6 percent (down \$124 million). Each of the other five agencies expects strong to modest increases in basic research funding: NSF (6 percent); DOE (4 percent); USDA (4 percent); HHS (2 percent); and the DOD (1 percent).

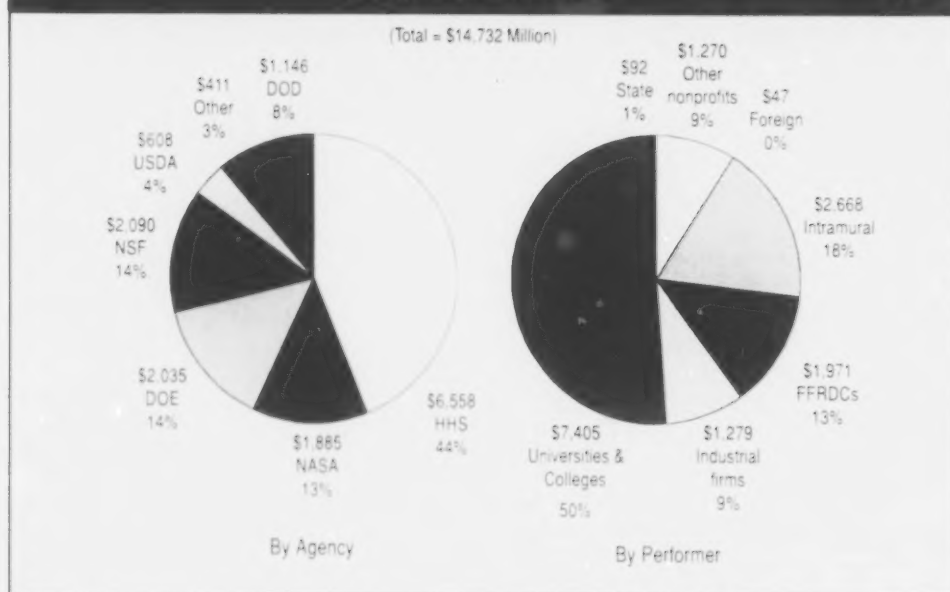
After adjusting for inflation, HHS expects its obligations for basic research to average 2-percent annual growth from FYs 1990-97. DOE would increase basic research funding second fastest, with just under 2-percent real-dollar growth during the same time period. NSF reports a basic research funding growth rate of 1 percent, and DOD reveals a flat rate. In real dollars, USDA and NASA expect slightly less funding for basic research in FY 1997 than was available in FY 1990.

PERFORMERS OF BASIC RESEARCH

Universities and colleges, receiving 50 percent of the Federal basic research funds in FY 1997, might expect a 4.5-percent decrease in such obligations to \$7.4 billion in that year (Chart 3). Intramural performers of basic research, which covers Federal in-house performance and costs associated with the planning and administration of both internal and external basic research programs by Federal personnel, are slated to receive 18 percent of all Federal basic research funds. This represents a 10.5-percent increase over FY 1996 funding, reversing the 11-percent drop from FYs 1995-

96. The largest Federal intramural basic research performers in FY 1997 include HHS, \$1.1 billion (nearly all performed by NIH); NASA, \$0.5 billion; USDA, \$0.4 billion (91 percent from the Agricultural Research Service), and DOD, \$0.3 billion (mostly from the three service agencies: Army, Navy, and Air Force) (Table 4). Federally Funded Research and Development Centers (such as Jet Propulsion Laboratory, Sandia National Laboratories, and Lincoln Laboratory) will receive 13 percent of the total basic research funds, or \$2 billion. Industrial firms can expect to receive 9 percent of the basic research, an increase of 4 percent over the FY 1996 funding level. Non-academic nonprofit organizations might expect to receive nearly 9 percent of the basic research funds, increasing more than \$0.2 billion (an increase of nearly 20 percent) over the FY 1996 funding level. State and local governments, which as a group will receive less than one percent of all Federal basic research funds, and foreign performers which will receive under a half percent of basic research funds, are projected to receive large percentage increases for FY 1997, 31 percent and 13 percent, respectively.

Chart 3. Distribution of Preliminary Federal Obligations for Basic Research by Agency, and by Performer: FY 1997



SOURCE: NSF/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

Table 4. Preliminary Federal Obligations for Basic Research, by Agency and Performer: Fiscal Year 1997

(in millions of current dollars)

Agency	Total	Intramural	Industrial Firms	All FFRDCs	Univ. & Colleges	Other Nonprofits	State & Local Governments	Foreign
Total.....	14,732	2,668	1,279	1,971	7,405	1,270	92	47
DOD.....	1,146	293	153	5	647	39	0	9
HHS.....	6,558	1,142	270	154	3,928	973	64	27
NASA.....	1,885	471	614	258	480	56	1	3
DOE.....	2,035	69	103	1,407	440	14	2	1
NSF.....	2,090	18	90	146	1,680	149	3	4
USDA.....	608	395	7	0	199	4	1	2
Other.....	411	280	41	0	31	35	23	1

SOURCE: NSF/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

GENERAL NOTES

Data in the tables of this publication were derived from the Survey of Federal Funds for Research and Development, Volume 45, for fiscal years 1995-97. They reflect research and development (R&D) funding levels as reported by 33 Federal agencies in May through August 1996. All agencies that conduct R&D programs were surveyed.

R&D totals in these tables are given in both outlays and obligations. The R&D obligation data are further categorized according to character of work (basic research, applied research, and development), performer, field of science or engineering (for research but not for development), and Federal R&D funding by State. Obligations for research performance at universities and colleges by fields of science or engineering are also shown, as are R&D plant data.

The amounts reported for each year are expressed in obligations or outlays incurred, or expected to be incurred, in that year, regardless of when the funds may have been authorized, appropriated, or received by an agency, and regardless of whether the funds are identified in an agency's budget specifically for research, development, or R&D plant.

Data for 1995 are actual, representing completed transactions. Data for 1996 and 1997 are estimated because they do not represent final actions. The Survey of Federal Funds for Research and Development was conducted during the third quarter of fiscal year 1996. The amounts reported for 1996 reflect congressional appropriation actions as of that period, as

well as apportionment and reprogramming decisions as of that time. Data for 1997 represent administration budget proposals that had not been acted on. Authorization, appropriation, deferral, and apportionment actions that were completed after these data were collected will be reflected in later surveys of this series.

Accuracy of the data depends in part on the judgment of the respondent. Since many agency R&D programs are not identified as budget-line items, agency officials must identify R&D and R&D plant activities within broader programs. Over the years personnel of the participating agencies have developed increasing skill and consistency in meeting the survey requirements, and their interaction with the National Science Foundation staff has considerably increased the reliability of the data.

Inquiries relating to *Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997*, Volume 45, should be directed to—

Ronald L. Meeks
Research and Development Statistics Program
Division of Science Resources Studies
National Science Foundation
4201 Wilson Boulevard, Suite 965
Arlington, VA 22230

Telephone: (703) 306-1772, ext. 6937
Fax: (703) 306-0508
Internet: rmeeks@nsf.gov

Note

For trend comparison, use only the historical data for fiscal years 1976–97 contained in tables C-89 through C-109a in this Federal funds, Volume 45 series. These tables incorporate changes in prior-year data made by the agencies to reflect program reclassifications. Do not use data published earlier.

SECTION A.

TECHNICAL NOTES

SCOPE AND METHOD

During the period May through August 1996, a total of 33 Federal agencies and their subdivisions—98 individual respondents—submitted data in response to the National Science Foundation's (NSF's) annual Survey of Federal Funds for Research and Development (Federal funds survey), Volume 45, which was distributed in February 1996. The agencies reported their data as obligations and outlays incurred, or expected to be incurred, regardless of when the funds were appropriated or whether they were identified in the respondents' budgets specifically for research and development (R&D) activities.

Only those agencies that had obligations in the variables represented by a particular table appear in that table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A.

DEFINITIONS

The definitions are essentially unchanged from those used in past Federal funds surveys.

1. An **agency** is an organization of the Federal Government whose principal executive officer reports to the President. The Library of Congress is also included in the survey, even though its chief officer reports to Congress. **Subdivision** refers to any organizational unit of a reporting agency, such as a bureau, division, office, or service.
2. **Obligations** and **outlays** reported are consistent with figures shown for fiscal years 1995, 1996, and 1997 appearing in *The Budget of the United States Government, Fiscal Year 1997*. The R&D data in both agency submissions were based on the same definitions and are reconcilable.

Obligations represent the amounts for orders placed, contracts awarded, services received, and similar transactions during a given period, regardless of when the funds were appropriated and when future payment of money is required.

Outlays represent the amounts for checks issued and cash payments made during a given

period, regardless of when the funds were appropriated.

Obligations and outlays cover all transactions that occurred in fiscal year 1995 and those estimated for fiscal years 1996 and 1997.

The data include all Federal funds available to an agency that the agency received or expects to receive from direct appropriations, trust funds, special account receipts, corporate income, or other sources, including funds appropriated to the President.

The amounts shown for each year reflect obligations or outlays for that year regardless of when the funds were originally authorized or received and regardless of whether or not they were appropriated, received, or identified in the agency's budget specifically for research, development, or R&D plant.

In reporting its obligations or outlays, **each agency includes the amounts transferred to other agencies for support of research and development. The receiving agencies do not report funds transferred to them.** Similarly, a subdivision of an agency that transfers funds to another subdivision within that agency reports such obligations or outlays as its own.

Obligations and outlays for R&D performed for an agency in foreign countries include all funds available to the agency for this purpose, including funds separately appropriated for special foreign currency programs.

Funds reported for research and development reflect full cost coverage. In addition to costs of specific R&D projects, the applicable overhead costs are also included. The amounts reported include the costs of planning and administering R&D programs, laboratory overhead, pay of military personnel, and departmental administration.

3. The **fiscal year** in the Federal Government accounting period begins October 1 of a given year and ends September 30 of the following year; thus, fiscal year 1995 began on October 1, 1994, and ended September 30, 1995.

4. **Research, development, and R&D plant** include all direct, incidental, or related costs resulting from, or necessary to, performance of R&D and costs of R&D plant, defined as follows, regardless of whether the R&D is performed by a Federal agency (intramurally) or by private individuals and organizations under grant or contract (extramurally). R&D excludes routine product testing, quality control, mapping and surveys, collection of general purpose statistics, experimental production, and the training of scientific personnel.

- a. **Research** is systematic study directed toward fuller scientific knowledge or understanding of the subject studied. Research is classified as either basic or applied according to the objectives of the sponsoring agency.

In **basic research** the objective of the sponsoring agency is to gain more complete knowledge or understanding of the fundamental aspects of phenomena and of observable facts, without specific applications toward processes or products in mind.

In **applied research** the objective of the sponsoring agency is to gain knowledge or understanding necessary for determining the means by which a recognized need may be met.

- b. **Development** is systematic use of the knowledge or understanding gained from research, directed toward the production of useful materials, devices, systems, or methods, including design and development of prototypes and processes. It excludes quality control, routine product testing, and production.

To better differentiate between that part of the Federal R&D budget, which supports "science and key enabling technologies" (including for military and nondefense applications) and that which primarily concerns "testing and evaluation" (of mostly defense-related systems), NSF now

collects from DoD development dollars in two categories, advanced technology development and major systems development.

Within DoD's research categories, advanced technology development is classified as 6.3A. Major systems development is classified as 6.3B through 6.7 and includes demonstration and validation, engineering and manufacturing development, management and support, and operational system development.

- c. **Demonstration activities** that are part of R&D (i.e., that are intended to prove or to test whether a technology or method does in fact work) are included. Demonstrations intended primarily to make information available about new technologies or methods are excluded.

- d. **R&D plant** (R&D facilities and fixed equipment, such as reactors, wind tunnels, and particle accelerators) includes acquisition of, construction of, major repairs to, or alterations in structures, works, equipment, facilities, or land for use in R&D activities at Federal or non-Federal installations. Excluded from the R&D plant category are expendable or movable equipment (e.g., spectrometers, microscopes) and office furniture and equipment. Also excluded are the costs of predesign studies (e.g., those undertaken before commitment to a specific facility). These excluded costs are reported under "total conduct of research and development." Obligations for foreign R&D plant are limited to Federal funds for facilities that are located abroad and used in support of foreign research and development.

5. **Fields of science and engineering** in this survey consist of eight broad field categories, each consisting of a number of detailed fields. The broad fields are life sciences; psychology; physical sciences; environmental sciences; mathematics and computer sciences; engineering; social sciences; and other sciences, not elsewhere classified. The term "not elsewhere

classified" (n.e.c.) is used for multidisciplinary projects within a broad field and for single-discipline projects for which a separate field has not been assigned. The following list presents the detailed fields grouped under each of the broad fields, together with illustrative disciplines of detailed fields.

The illustrative disciplines are intended to be guidelines, not sharp definitions; they represent examples of disciplines generally classified under each detailed field. A discipline under one detailed field may be classified under another detailed field when the major emphasis is elsewhere. Research in biochemistry, for example, might be reported as biological, agricultural, or medical, depending on the orientation of the project. Human biochemistry would be classified under biological, but animal biochemistry or plant biochemistry would fall under agricultural. In no case is the research reported under more than one field. No double-counting is intended or allowed.

- a. **Life sciences** consist of five detailed fields: biological (excluding environmental); environmental biology; agricultural; medical; and life sciences, n.e.c. Examples of the disciplines under each of these fields are as follows:

Biological (excluding environmental): anatomy; biochemistry; biology; biometry and biostatistics; biophysics; botany; cell biology; entomology and parasitology; genetics; microbiology; neuroscience (biological); nutrition; physiology; zoology; other biological, n.e.c.

Environmental biology: ecosystem sciences; evolutionary biology; limnology; physiological ecology; population and biotic community ecology; population biology; systematics; other environmental biology, n.e.c.

Agricultural: agronomy; animal sciences; food science and technology; fish and wildlife; forestry; horticulture; phytopathology; phytoproduction;

plant sciences; soils and soil science; general agriculture; other agriculture, n.e.c.

Medical: dentistry; internal medicine; neurology; obstetrics and gynecology; ophthalmology; otolaryngology; pathology; pediatrics; pharmacology; pharmacy; preventive medicine; psychiatry; radiology; surgery; veterinary medicine; other medical, n.e.c.

Life sciences, n.e.c.

- b. **Psychology** deals with behavior, mental processes, and individual and group characteristics and abilities. Psychology in this survey is divided into three categories: biological aspects; social aspects; and psychological sciences, n.e.c. Examples of the disciplines under each of these fields are as follows:

Biological aspects: animal behavior; clinical psychology; comparative psychology; ethology; experimental psychology

Social aspects: development and personality; educational, personnel, and vocational psychology and testing; industrial and engineering psychology; social psychology

Psychological sciences, n.e.c.

- c. **Physical sciences** are concerned with understanding of the material universe and its phenomena. They comprise the fields of astronomy; chemistry; physics; and physical sciences, n.e.c. Examples of disciplines under each of these fields are as follows:

Astronomy: laboratory astrophysics; optical astronomy; radio astronomy; theoretical astrophysics; X-ray, gamma-ray, and neutrino astronomy

Chemistry: inorganic; organic; organometallic; physical

Physics: acoustics; atomic and molecular; condensed matter; elementary particle; nuclear structure; optics; plasma

Physical sciences, n.e.c.

- d. **Environmental sciences** (terrestrial and extraterrestrial) are, with one exception, concerned with the gross nonbiological properties of the areas of the solar system that directly or indirectly affect human survival and welfare. The one exception is that obligations for studies pertaining to life in the sea or other bodies of water are reported as support of oceanography and not biology. Environmental sciences comprise the fields of atmospheric sciences; geological sciences; oceanography; and environmental sciences, n.e.c. Examples of disciplines under each of these fields are as follows:

Atmospheric sciences: aeronomy; extraterrestrial atmospheres; meteorology; solar; weather modification

Geological sciences: engineering geophysics; general geology; geodesy and gravity; geomagnetism; hydrology; inorganic geochemistry; isotopic geochemistry; laboratory geophysics; organic geochemistry; paleomagnetism; paleontology; physical geography and cartography; seismology; soil sciences

Oceanography: biological oceanography; chemical oceanography; marine geophysics; physical oceanography

Environmental sciences, n.e.c.

- e. **Mathematics and computer sciences** employ logical reasoning with the aid of symbols and are concerned with the development of methods of operation employing such symbols and, in the case of computer sciences, with the application of such methods to automated information systems. Examples of disciplines under these fields are as follows:

Mathematics: algebra; analysis; applied mathematics; foundations and logic; geometry; numerical analysis; statistics; topology

Computer sciences: computer and information sciences (general); design, development, and application of computer capabilities to data storage and manipulation; information sciences and systems; programming languages; systems analysis

Mathematics and computer sciences, n.e.c.

- f. **Engineering** is concerned with studies directed toward developing engineering principles or toward making specific principles usable in engineering practice. Engineering in this survey is divided into eight fields: aeronautical; astronautical; chemical; civil; electrical; mechanical; metallurgy and materials; and engineering, n.e.c. Examples of disciplines under each of these fields are as follows:

Aeronautical: aerodynamics

Astronautical: aerospace; space technology

Chemical: petroleum; petroleum refining; process

Civil: architectural; hydraulic; hydrologic; marine; sanitary and environmental; structural; transportation

Electrical: communication; electronic; power

Mechanical: engineering mechanics

Metallurgy and materials: ceramic; mining; textile; welding

Engineering, n.e.c.: agricultural; bioengineering; biomedical; industrial and management; nuclear; ocean; systems

- 7a. **Social sciences** are directed toward an understanding of the behavior of social institutions and groups and of individuals as members of a group. Social sciences include anthropology; economics; political science; sociology; and social sciences, n.e.c. Examples of disciplines under the fields of social science are as follows:

Anthropology: applied anthropology; archaeology; cultural and personality; social and ethnology

Economics: economic systems and development; econometrics and economic statistics; history of economic thought; industrial, labor, and agricultural economics; international economics; macroeconomics; microeconomics; public finance and fiscal policy; theory

Political science: area or regional studies; comparative government; history of political ideas; international relations and law; national political and legal systems; political theory; public administration

Sociology: comparative and historical; complex organizations; culture and social structure; demography; group interactions; social problems and social welfare; sociological theory

Social sciences, n.e.c.: linguistics; research in education; research in history; research in law (e.g., attempts to assess impact on society of legal systems and practices); socioeconomic geography

- h. **Other sciences, n.e.c.:** This category is used for multidisciplinary or inter-disciplinary projects that cannot be classified within one of the broad fields of science already listed.

6. A **performer** is either an intramural group or organization carrying out an operational function or an extramural organization or

person receiving support or providing services under a contract or grant.

- a. **Intramural performers** are the agencies of the Federal Government. Their work is carried on directly by agency personnel. Obligations reported under this category are for activities performed or to be performed by the reporting agency itself or represent funds that the agency transfers to another Federal agency for performance of work **as long as the ultimate performer is that agency or any Federal agency**. If the ultimate performer is not a Federal agency, the funds so transferred are reported by the transferring agency under the appropriate extramural performer category (universities and colleges, other nonprofit institutions, or industrial firms).

NOTE: Intramural activities cover not only the actual intramural R&D performance, but also the costs associated with the planning and administration of both intramural and extramural programs by Federal personnel. Intramural activities also include the costs of supplies and equipment, essentially of an "off-the-shelf" nature, that are procured for use in intramural R&D. For example, the purchase from an extramural source of an operational launch vehicle (i.e., one that has gone beyond the development or prototype stage) that is used for intramural performance of R&D is reported as a part of the cost of intramural R&D.

- b. **Extramural performers** are organizations outside the Federal sector that perform R&D with Federal funds under contract, grant, or cooperative agreement. Only those costs associated with actual R&D performance are reported, but these costs would include costs of materials and supplies to carry out R&D activities. Note, however, that the costs of off-the-shelf supplies and equipment required to support intramural R&D and procured from extramural suppliers are considered as part of the costs of intramural performance and not as part of the costs of extramural performance.

Extramural performers are identified as follows:

- i. **Industrial firms:** Organizations that may legally distribute net earnings to individuals or to other organizations.
- ii. **Universities and colleges:** Institutions engaged primarily in providing resident and/or accredited instruction for at least a one-year program above the secondary school level. Included are colleges of liberal arts; schools of arts and sciences; professional schools, as in engineering and medicine, including affiliated hospitals and associated research institutes; and agricultural experiment stations.
- iii. **Other nonprofit institutions:** Private organizations other than educational institutions whose net earnings in no part inure to the benefit of a private stockholder or individual and other private organizations organized for the exclusive purpose of turning over their entire net earnings to such nonprofit organizations.
- iv. **Federally funded research and development centers (FFRDCs):** R&D-performing organizations that are exclusively or substantially financed by the Federal Government and are supported by the Federal Government either to meet a particular R&D objective or, in some instances, to provide major facilities at universities for research and associated training purposes. Each center is administered either by an industrial firm, a university, or another nonprofit institution.

In general, all of the following criteria are met by an organization that is included in the FFRDC category:

- (1) Its primary activities include one or more of the following: basic research, applied research, development, or management of research and development (specifically excluded are organizations engaged primarily in routine quality control and testing, routine service activities, production, mapping and surveys, and information dissemination);
- (2) It is a separate operational unit within the parent organization or is organized as a separately incorporated organization;
- (3) It performs actual research and development or R&D management either upon direct request by the Federal Government or under a broad charter from the Federal Government but in either case under the direct monitorship of the Federal Government;
- (4) It receives its major financial support (70 percent or more) from the Federal Government, usually from one agency;
- (5) It has, or is expected to have, a long-term relationship with its sponsoring agency (about 5 years or more), as evidenced by specific obligations assumed by it and the agency;
- (6) Most or all of its facilities are owned by, or are funded under contract with, the Federal Government; and
- (7) It has an average annual budget (operating and capital equipment) of at least \$500,000.

v. **State and local governments:**

State and local government agencies, excluding State or local universities and colleges, agricultural experiment stations, medical schools, and affiliated hospitals. (Federal R&D funds obligated directly to such State and local institutions excluded in this category are included under the "Universities and colleges" category in this report.) R&D activities under the State and local category are performed either by the State or local agencies themselves or by other organizations under grants or contracts from such agencies. Regardless of the ultimate performer, Federal R&D funds directed to State and local governments are reported under this sector and no other.

vi. **Foreign performers:** Foreign citizens, foreign organizations, or foreign governments, as well as international organizations (such as the North Atlantic Treaty Organization (NATO), United Nations Educational, Scientific, and Cultural Organization (UNESCO), and World Health Organization (WHO)), performing R&D work abroad financed by the Federal Government. Excluded are U.S. agencies, organizations, or citizens performing R&D abroad for the Federal Government; the survey does not seek information on "offshore" payments. An exception is made in the case of U.S. citizens performing R&D abroad under special foreign currency funds; these activities are included under "Foreign performers." Foreign scientists performing in the United States are excluded, however.

vii. **Private individuals:** For cases wherein an R&D grant or contract is awarded directly to a private

individual, obligations incurred are placed under "Industrial firms."

7. **Federal obligations for research performed at universities and colleges, by detailed field of science:** Only six agencies participate in the portion of the survey covering the funding of research at universities and colleges by detailed field of science. These six agencies represent approximately 96 percent of the Federal research obligations to universities and colleges. The six agencies are the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration (NASA); and the National Science Foundation (NSF).

8. **Geographic distribution of 1995 R&D obligations**

- a. Only the 10 largest R&D funding agencies participate in the portion of the survey covering the geographic distribution of obligations for research and development and R&D plant. These 10 agencies accounted for approximately 98 percent of total Federal R&D and R&D plant obligations in 1995. The respondents are the Departments of Agriculture, Commerce, Energy, Defense, Health and Human Services, the Interior, and Transportation; the Environmental Protection Agency; NASA; and NSF.
- b. Actual fiscal year 1995 data were requested in terms of the principal location (State or outlying area) where the work was performed by the primary contractor, grantee, or intramural organization. When this information was not available in their records, the respondents were asked to assign the obligations to the state, outlying area, or office abroad where the headquarters of the U.S. primary contractor, grantee, or intramural organization was located.
- c. Obligations were reported for R&D as a combined amount.
- d. Specifically omitted from the geographic portion of the survey were R&D obligations to foreign performers and support of

foreign performers. Foreign performer data, by country, are reported in a separate section of the Federal funds survey.

CHANGES IN REPORTING

While completing the survey forms each year, agency respondents make revisions to their estimates for the latest 2 years of the previous report, in this case fiscal years 1995 and 1996. Such revision is part of the budgetary cycle. From time to time survey submissions also reflect reappraisals and revisions in classification of various aspects of agencies' R&D programs. When such revisions occur, NSF requires the agencies to provide revised prior-year data to maintain consistency and comparability with the most recent concepts.

LIMITATIONS OF THE DATA

Funds for research and development were reported on a three-year basis comparable with the 1997 budget, upon which the data were based. The amounts reported for each year, as already stated, are the obligations or outlays incurred in that year, regardless of when funds were authorized or received by an agency and regardless of whether the funds were identified in the agency's budget specifically for research, development, R&D plant, or some combination of the three.

The respondents reconciled the data reported to the Federal funds survey with the amounts for R&D they reported to the Office of Management and Budget for the 1997 budget.

Some agencies are not able to report the full costs of research and development. For example, the headquarters costs of planning and administering R&D programs of the Department of Defense (DoD) (estimated at a fraction of 1 percent of the agency's R&D total) are excluded, because this agency has stated that identification of the amounts is impracticable.

R&D plant data are also underreported to some extent because of the difficulty encountered by some agencies, particularly DoD and NASA, in identifying and reporting these data. DoD's respondents report obligations for the R&D plant funded under the agency's construction appropriation, but they are able to identify only a small portion of the R&D plant support that is within R&D contracts funded from DoD's appropriation for research, development, testing, and evaluation. Similarly, NASA respondents cannot separately identify the portions of industrial R&D contracts that apply to R&D plant; R&D plant data are subsumed in the R&D data covering industrial performance. NASA R&D plant data for other performing sectors are reported separately.

SECTION B.

FEDERALLY FUNDED RESEARCH AND
DEVELOPMENT CENTERS, BY AGENCY AND
TYPE OF ADMINISTRATION

The following is the master list of federally funded research and development centers (FFRDCs) included in the Federal funds survey for fiscal years 1995-97. The list is arranged by sponsoring agency and adminis-

tering organization. Respondents reported under the FFRDC category those funds obligated to centers identified on this list.

Federally funded R&D centers, by agency and type of administration

Sponsoring agency	Administered by universities and colleges ¹	Administered by other nonprofit institutions ²	Administered by industrial firms
DEPARTMENT OF DEFENSE: Office of the Secretary of Defense		Institute for Defense Analyses Studies and Analyses FFRDC (Institute for Defense Analyses), Alexandria, VA Logistics Management Institute (Logistics Management Institute), McLean, VA ³ National Defense Research Institute (RAND Corp. ⁴), Santa Monica, CA C3I Federally Funded Research and Development Center (MITRE Corp. ⁵), Bedford, MA, and McLean, VA	
Defense Advanced Research Projects Agency	Software Engineering Institute (Carnegie Mellon University), Pittsburgh, PA		
National Security Agency		Institute for Defense Analyses Communications and Computing Federally Funded Research and Development Center (Institute for Defense Analyses), Alexandria, VA	
Department of the Navy		Center for Naval Analyses (The CNA Corp.), Alexandria, VA	
Department of the Air Force	Lincoln Laboratory (Massachusetts Institute of Technology), Lexington, MA	Aerospace Federally Funded Research and Development Center (The Aerospace Corp.), El Segundo, CA Project Air Force (RAND Corp. ⁴), Santa Monica, CA	
Department of the Army ⁶		Arvo Center (RAND Corp. ⁴), Santa Monica, CA	
DEPARTMENT OF ENERGY ⁶	Ames Laboratory (Iowa State University of Science and Technology), Ames, IA Argonne National Laboratory (University of Chicago), Argonne, IL Brookhaven National Laboratory (Associated Universities, Inc.), Upton, Long Island, NY	National Renewable Energy Laboratory ³ (Midwest Research Institute), Golden, CO Pacific Northwest National Laboratory (Battelle Memorial Institute), Richland, WA	Idaho National Engineering Laboratory (Lockheed Martin Idaho Technologies Company), Idaho Falls, ID Oak Ridge National Laboratory (Lockheed Martin Energy Research Corp.), Oak Ridge, TN Sandia National Laboratories (Sandia Corp., a subsidiary of Lockheed Martin Corp.), Albuquerque, NM

See explanatory information, if any, and SOURCE at end of table.

Federally funded research and development centers, by agency and type of administration—Continued

Sponsoring agency	Administered by universities and colleges¹	Administered by other nonprofit institutions²	Administered by industrial firms
DEPARTMENT OF ENERGY ³ continued	Ernest Orlando Lawrence Berkeley National Laboratory (University of California), Berkeley, CA Fermi National Accelerator Laboratory (Universities Research Association, Inc.), Batavia, IL Lawrence Livermore National Laboratory (University of California), Livermore, CA Los Alamos National Laboratory (University of California), Los Alamos, NM Oak Ridge Institute for Science and Education (Oak Ridge Associated Universities, Inc.), Oak Ridge, TN Princeton Plasma Physics Laboratory (Princeton University), Princeton, NJ Stanford Linear Accelerator Center (Leland Stanford Junior University), Stanford, CA Thomas Jefferson National Accelerator Facility (Southeastern Universities Research Association, Inc.), Newport News, VA ¹⁰		Savannah River Technology Center (Westinghouse Savannah River Co.), Aiken, SC
DEPARTMENT OF HEALTH AND HUMAN SERVICES National Institutes of Health			NCI Frederick Cancer Research and Development Center (Science Applications International Corp., Advanced BioScience Laboratories, Inc., Charles River Laboratories, Inc., Data Management Services, Inc.), Frederick, MD
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	Jet Propulsion Laboratory (California Institute of Technology), Pasadena, CA		

See explanatory information, if any, and SOURCE at end of table.

Federally funded research and development centers, by agency and type of administration—Continued

Sponsoring agency	Administered by universities and colleges¹	Administered by other nonprofit institutions²	Administered by industrial firms
NATIONAL SCIENCE FOUNDATION	National Astronomy and Ionosphere Center (Cornell University), Arecibo, PR National Center for Atmospheric Research (University Corp. for Atmospheric Research), Boulder, CO National Optical Astronomy Observatories ³ (Association of Universities for Research in Astronomy, Inc.), Tucson, AZ National Radio Astronomy Observatory (Associated Universities, Inc.), Green Bank, WV	Critical Technologies Institute (RAND Corp. ⁴), Washington, DC	
NUCLEAR REGULATORY COMMISSION		Center for Nuclear Waste Regulatory Analyses (Southwest Research Institute), San Antonio, TX	
DEPARTMENT OF TRANSPORTATION Federal Aviation Administration		Center for Advanced Aviation System Development (MITRE Corp.), McLean, VA	
DEPARTMENT OF THE TREASURY Internal Revenue Service		Tax Systems Modernization Institute (ITT Research Institute), Lanham, MD	

¹ Includes university consortia.

² That is, other than universities and colleges.

³ Logistics Management Institute moved from Bethesda, MD, to McLean, VA, in May 1994.

⁴ The following portions of the RAND Corp. are FFRDCs: National Defense Research Institute (formerly Defense Office of the Joint Chiefs of Staff), Project Air Force, the Arroyo Center, and the Critical Technologies Institute. All other agency support to RAND is reported under "other nonprofit institutions excluding FFRDCs."

⁵ Only the C3I Federally Funded Research and Development Center and the Center for Advanced Aviation System Development parts of the MITRE Corp. are FFRDCs. All other agency support to MITRE is reported under "other nonprofit institutions excluding FFRDCs."

⁶ The Department of the Army decertified the Institute for Advanced Technology (University of Texas), Austin, TX, as an FFRDC in November 1993.

⁷ Although the Institute for Defense Analyses Communications and Computing FFRDC has been in existence since 1956, the Department of Defense added it to the Master Government List of FFRDCs for the first time in October 1995.

⁸ The Department of Energy decertified Bettis Atomic Power Laboratory, Hanford Engineering Development Laboratory, and Knolls Atomic Power Laboratory as FFRDCs in October/November 1992. The Department of Energy removed from the Master Government List of FFRDCs (1) the Energy Technology Engineering Center in November 1995 and (2) the Inhalation Toxicology Research Institute in May 1996.

⁹ In September 1991 the name was changed from Solar Energy Research Institute.

¹⁰ In May 1996 the name was changed from Continuous Electron Beam Accelerator Facility.

¹¹ Since February 1984 this center has included three former FFRDCs: Cerro Tololo Inter-American Observatory, Kitt Peak National Observatory, and the National Solar Observatory (formerly Sacramento Peak Observatory).

SOURCE: National Science Foundation/SRS

Updates of this list and an Annotated List of FFRDCs are available at <http://www.nsf.gov/sbe/srs/ffrdc96/start.htm>

BEST COPY AVAILABLE

SECTION C.
DETAILED STATISTICAL TABLES

LIST OF TABLES

<i>Table</i>		<i>Page</i>
RESEARCH, DEVELOPMENT, AND R&D PLANT		
C-1.	Federal obligations for research and development, by character of work, and R&D plant: fiscal years 1951-97	31
C-2.	Summary of Federal funds for research and development and for R&D plant: fiscal years 1995, 1996, and 1997	32
C-3.	Federal funds for research and development and for R&D plant, by agency: fiscal years 1995, 1996, and 1997	34
RESEARCH AND DEVELOPMENT—AGENCY, CHARACTER OF WORK, AND PERFORMER		
C-4.	Federal funds for total research and development, by agency: fiscal years 1995, 1996, and 1997	37
C-5.	Federal obligations for total research and development, by agency and character of work: fiscal year 1995	40
C-6.	Preliminary Federal obligations for total research and development, by agency and character of work: fiscal year 1996	43
C-7.	Preliminary Federal obligations for total research and development, by agency and character of work: fiscal year 1997	46
C-8.	Federal obligations for total research and development, by agency and performer: fiscal year 1995	49
C-9.	Preliminary Federal obligations for total research and development, by agency and performer: fiscal year 1996	53
C-10.	Preliminary Federal obligations for total research and development, by agency and performer: fiscal year 1997	57
C-11.	Federal obligations for research and development and for R&D plant to federally funded research and development centers, by agency: fiscal year 1995	61
C-12.	Preliminary Federal obligations for research and development and for R&D plant to federally funded research and development centers, by agency: fiscal year 1996	62

*Table**Page*

C-13.	Preliminary Federal obligations for research and development and for R&D plant to federally funded research and development centers, by agency: fiscal year 1997	63
C-14.	Federal obligations for research and development to federally funded research and development centers (FFRDCs), by individual FFRDC and agency: fiscal year 1995	64
C-15.	Federal obligations for R&D plant to federally funded research and development centers (FFRDCs), by individual FFRDC and agency: fiscal year 1995	66

TOTAL RESEARCH—AGENCY, PERFORMER, AND FIELD OF SCIENCE AND ENGINEERING

C-16.	Federal obligations for research, by agency and performer: fiscal year 1995	67
C-17.	Preliminary Federal obligations for research, by agency and performer: fiscal year 1996	70
C-18.	Preliminary Federal obligations for research, by agency and performer: fiscal year 1997	73
C-19.	Federal obligations for research, by detailed field of science and engineering: fiscal years 1995, 1996, and 1997	76
C-20.	Federal obligations for research, by agency and field of science and engineering: fiscal year 1995	77
C-21.	Preliminary Federal obligations for research, by agency and field of science and engineering: fiscal year 1996	80
C-22.	Preliminary Federal obligations for research, by agency and field of science and engineering: fiscal year 1997	83
C-23.	Federal obligations for research in psychology and life sciences, by agency and detailed field of science: fiscal year 1995	86
C-24.	Federal obligations for research in physical and environmental sciences, by agency and detailed field of science: fiscal year 1995	88
C-25.	Federal obligations for research in engineering, by agency and detailed field of engineering: fiscal year 1995	90
C-26.	Federal obligations for research in mathematics and computer sciences and in social sciences, by agency and detailed field of science: fiscal year 1995	92

BASIC RESEARCH—AGENCY, PERFORMER, AND FIELD OF SCIENCE AND ENGINEERING

C-27.	Federal obligations for basic research, by agency and performer: fiscal year 1995	94
C-28.	Preliminary Federal obligations for basic research, by agency and performer: fiscal year 1996	96
C-29.	Preliminary Federal obligations for basic research, by agency and performer: fiscal year 1997	98
C-30.	Federal obligations for basic research, by detailed field of science and engineering: fiscal years 1995, 1996, and 1997	100
C-31.	Federal obligations for basic research, by agency and field of science and engineering: fiscal year 1995	101
C-32.	Preliminary Federal obligations for basic research, by agency and field of science and engineering: fiscal year 1996	103
C-33.	Preliminary Federal obligations for basic research, by agency and field of science and engineering: fiscal year 1997	105
C-34.	Federal obligations for basic research in psychology and life sciences, by agency and detailed field of science: fiscal year 1995	107
C-35.	Federal obligations for basic research in physical and environmental sciences, by agency and detailed field of science: fiscal year 1995	108
C-36.	Federal obligations for basic research in engineering, by agency and detailed field of engineering: fiscal year 1995	109
C-37.	Federal obligations for basic research in mathematics and computer sciences and in social sciences, by agency and detailed field of science: fiscal year 1995	110

APPLIED RESEARCH—AGENCY, PERFORMER, AND FIELD OF SCIENCE AND ENGINEERING

C-38.	Federal obligations for applied research, by agency and performer: fiscal year 1995	111
C-39.	Preliminary Federal obligations for applied research, by agency and performer: fiscal year 1996	114

<i>Table</i>	<i>Page</i>
C-40. Preliminary Federal obligations for applied research, by agency and performer: fiscal year 1997	117
C-41. Federal obligations for applied research, by detailed field of science and engineering: fiscal years 1995, 1996, and 1997	120
C-42. Federal obligations for applied research, by agency and field of science and engineering: fiscal year 1995	121
C-43. Preliminary Federal obligations for applied research, by agency and field of science and engineering: fiscal year 1996	124
C-44. Preliminary Federal obligations for applied research, by agency and field of science and engineering: fiscal year 1997	127
C-45. Federal obligations for applied research in psychology and life sciences, by agency and detailed field of science: fiscal year 1995	130
C-46. Federal obligations for applied research in physical and environmental sciences, by agency and detailed field of science: fiscal year 1995	132
C-47. Federal obligations for applied research in engineering, by agency and detailed field of engineering: fiscal year 1995	134
C-48. Federal obligations for applied research in mathematics and computer sciences and in social sciences, by agency and detailed field of science: fiscal year 1995	136

DEVELOPMENT—AGENCY AND PERFORMER

C-49. Federal obligations for development, by agency and performer: fiscal year 1995	139
C-50. Preliminary Federal obligations for development, by agency and performer: fiscal year 1996	142
C-51. Preliminary Federal obligations for development, by agency and performer: fiscal year 1997	145

R&D PLANT—AGENCY AND PERFORMER

C-52. Federal funds for R&D plant, by agency: fiscal years 1995, 1996, and 1997	148
C-53. Federal obligations for R&D plant, by agency and performer of the research and development the plant supports: fiscal year 1995	150

<i>Table</i>	<i>Page</i>
C-54. Preliminary Federal obligations for R&D plant, by agency and performer of the research and development the plant supports: fiscal year 1996	152
C-55. Preliminary Federal obligations for R&D plant, by agency and performer of the research and development the plant supports: fiscal year 1997	154

TOTAL RESEARCH PERFORMED AT UNIVERSITIES AND COLLEGES— AGENCY AND FIELD OF SCIENCE AND ENGINEERING

C-56. Federal obligations for research performed at universities and colleges, by detailed field of science and engineering: fiscal years 1995, 1996, and 1997	156
C-57. Federal obligations for research performed at universities and colleges, by agency and field of science and engineering: fiscal year 1995	157
C-58. Preliminary Federal obligations for research performed at universities and colleges, by agency and field of science and engineering: fiscal year 1996	158
C-59. Preliminary Federal obligations for research performed at universities and colleges, by agency and field of science and engineering: fiscal year 1997	159
C-60. Federal obligations for research performed at universities and colleges in psychology and life sciences, by agency and detailed field of science: fiscal year 1995	160
C-61. Federal obligations for research performed at universities and colleges in physical and environmental sciences, by agency and detailed field of science: fiscal year 1995	161
C-62. Federal obligations for research performed at universities and colleges in engineering, by agency and detailed field of engineering: fiscal year 1995	162
C-63. Federal obligations for research performed at universities and colleges in mathematics and computer sciences and in social sciences, by agency and detailed field of science: fiscal year 1995	163

BASIC RESEARCH PERFORMED AT UNIVERSITIES AND COLLEGES— AGENCY AND FIELD OF SCIENCE AND ENGINEERING

C-64. Federal obligations for basic research performed at universities and colleges, by detailed field of science and engineering: fiscal years 1995, 1996, and 1997	164
C-65. Federal obligations for basic research performed at universities and colleges, by agency and field of science and engineering: fiscal year 1995	165

<i>Table</i>	<i>Page</i>
C-66. Preliminary Federal obligations for basic research performed at universities and colleges, by agency and field of science and engineering: fiscal year 1996	166
C-67. Preliminary Federal obligations for basic research performed at universities and colleges, by agency and field of science and engineering: fiscal year 1997	167
C-68. Federal obligations for basic research performed at universities and colleges in psychology and life sciences, by agency and detailed field of science: fiscal year 1995	168
C-69. Federal obligations for basic research performed at universities and colleges in physical and environmental sciences, by agency and detailed field of science: fiscal year 1995	169
C-70. Federal obligations for basic research performed at universities and colleges in engineering, by agency and detailed field of engineering: fiscal year 1995	170
C-71. Federal obligations for basic research performed at universities and colleges in mathematics and computer sciences and in social sciences, by agency and detailed field of science: fiscal year 1995	171

APPLIED RESEARCH PERFORMED AT UNIVERSITIES AND COLLEGES— AGENCY AND FIELD OF SCIENCE AND ENGINEERING

C-72. Federal obligations for applied research performed at universities and colleges, by detailed field of science and engineering: fiscal years 1995, 1996, and 1997	172
C-73. Federal obligations for applied research performed at universities and colleges, by agency and field of science and engineering: fiscal year 1995	173
C-74. Preliminary Federal obligations for applied research performed at universities and colleges, by agency and field of science and engineering: fiscal year 1996	174
C-75. Preliminary Federal obligations for applied research performed at universities and colleges, by agency and field of science and engineering: fiscal year 1997	175
C-76. Federal obligations for applied research performed at universities and colleges in psychology and life sciences, by agency and detailed field of science: fiscal year 1995	176

<i>Table</i>	<i>Page</i>
C-77. Federal obligations for applied research performed at universities and colleges in physical and environmental sciences, by agency and detailed field of science: fiscal year 1995	177
C-78. Federal obligations for applied research performed at universities and colleges in engineering, by agency and detailed field of engineering: fiscal year 1995	178
C-79. Federal obligations for applied research performed at universities and colleges in mathematics and computer sciences and in social sciences, by agency and detailed field of science: fiscal year 1995	179

GEOGRAPHIC DISTRIBUTION—RESEARCH AND DEVELOPMENT AND R&D PLANT

C-80. Federal obligations for research and development and for R&D plant, by State: fiscal year 1995	180
C-81. Federal obligations for research and development, by State and performer: fiscal year 1995	181
C-81a. Percentage distribution of Federal obligations for research and development to each performer, by State: fiscal year 1995	182
C-81b. Percentage distribution of Federal obligations for research and development to each State, by performer: fiscal year 1995	183
C-82. Federal obligations for research and development, by State and agency: fiscal year 1995	184
C-82a. Percentage distribution of Federal obligations for research and development of each agency, by State: fiscal year 1995	185
C-82b. Percentage distribution of Federal obligations for research and development of each State, by agency: fiscal year 1995	186
C-83. Federal obligations for research and development, by State, agency, and performer: fiscal year 1995	187
C-84. Federal obligations for R&D plant, by State and category of performer supported: fiscal year 1995	201
C-85. Federal obligations for R&D plant, by State and agency: fiscal year 1995	202

FEDERAL INTRAMURAL PERSONNEL COSTS

C-86. Federal obligations for total research and development to intramural performers for personnel costs, by agency: fiscal years 1995, 1996, and 1997	203
---	-----

<i>Table</i>		<i>Page</i>
C-87.	Federal obligations for total basic research to intramural performers for personnel costs, by agency: fiscal years 1995, 1996, and 1997	207
C-88.	Federal obligations for total applied research to intramural performers for personnel costs, by agency: fiscal years 1995, 1996, and 1997	209
C-89.	Federal obligations for total development to intramural performers for personnel costs, by agency: fiscal years 1995, 1996, and 1997	213

HISTORICAL DATA—OUTLAYS

C-90.	Federal outlays for research and development and for R&D plant, by agency: fiscal years 1976–86	216
C-90a.	Federal outlays for research and development and for R&D plant, by agency: fiscal years 1987–97	220
C-91.	Federal outlays for research and development, by agency: fiscal years 1976–86	224
C-91a.	Federal outlays for research and development, by agency: fiscal years 1987–97	228
C-92.	Federal outlays for R&D plant, by agency: fiscal years 1976–86	232
C-92a.	Federal outlays for R&D plant, by agency: fiscal years 1987–97	234

HISTORICAL DATA—OBLIGATIONS

C-93.	Federal obligations for research and development and for R&D plant, by agency: fiscal years 1976–86	236
C-93a.	Federal obligations for research and development and for R&D plant, by agency: fiscal years 1987–97	240
C-94.	Federal obligations for research and development, by agency: fiscal years 1976–86	244
C-94a.	Federal obligations for research and development, by agency: fiscal years 1987–97	248
C-95.	Federal obligations for R&D plant, by agency: fiscal years 1976–86	252
C-95a.	Federal obligations for R&D plant, by agency: fiscal years 1987–97	254
C-96.	Federal obligations for research, by selected agency: fiscal years 1976–86	256
C-96a.	Federal obligations for research, by selected agency: fiscal years 1987–97	260

*Table**Page*

C-97.	Federal obligations for basic research, by selected agency: fiscal years 1976-86	264
C-97a.	Federal obligations for basic research, by selected agency: fiscal years 1987-97	267
C-98.	Federal obligations for applied research, by selected agency: fiscal years 1976-86	269
C-98a.	Federal obligations for applied research, by selected agency: fiscal years 1987-97	273
C-99.	Federal obligations for development, by selected agency: fiscal years 1976-86	277
C-99a.	Federal obligations for development, by selected agency: fiscal years 1987-97	280
C-100.	Federal obligations for research and development, by performer: fiscal years 1976-86	283
C-100a.	Federal obligations for research and development, by performer: fiscal years 1987-97	284
C-101.	Federal obligations for research, by performer: fiscal years 1976-86	285
C-101a.	Federal obligations for research, by performer: fiscal years 1987-97	286
C-102.	Federal obligations for basic research, by performer: fiscal years 1976-86	287
C-102a.	Federal obligations for basic research, by performer: fiscal years 1987-97	288
C-103.	Federal obligations for applied research, by performer: fiscal years 1976-86	289
C-103a.	Federal obligations for applied research, by performer: fiscal years 1987-97	290
C-104.	Federal obligations for development, by performer: fiscal years 1976-86	291
C-104a.	Federal obligations for development, by performer: fiscal years 1987-97	292
C-105.	Federal obligations for total research, by detailed field of science and engineering: fiscal years 1976-86	293
C-105a.	Federal obligations for total research, by detailed field of science and engineering: fiscal years 1987-97	294
C-106.	Federal obligations for basic research, by detailed field of science and engineering: fiscal years 1976-86	295

*Table**Page*

C-106a. Federal obligations for basic research, by detailed field of science and engineering: fiscal years 1987-97	296
C-107. Federal obligations for applied research, by detailed field of science and engineering: fiscal years 1976-86	297
C-107a. Federal obligations for applied research, by detailed field of science and engineering: fiscal years 1987-97	298
C-108. Federal obligations for research and development, by State: fiscal years 1976-86	299
C-108a. Federal obligations for research and development, by State: fiscal years 1987-95	300
C-109. Federal obligations for R&D plant, by State: fiscal years 1976-86	301
C-109a. Federal obligations for R&D plant, by State: fiscal years 1987-95	302

TABLE NOTES

- Because of rounding, detail may not add to totals.
- Dashes or asterisks appearing in lieu of figures indicate that the amounts are less than 50 thousand dollars or less than 0.5 percent.
- The abbreviation "FFRDCs" appearing in statistical tables refers to federally funded research and development centers.
- In tables showing extramural performers, obligations of the U.S. Department of Agriculture to agricultural experiment stations are included within obligations to universities and colleges.
- Defense agencies within the Department of Defense include the Defense Advanced Research Projects Agency, the Ballistic Missile Defense Organization, the Defense Information Systems Agency, the Defense Logistics Agency, the Defense Mapping Agency, the Defense Nuclear Agency, the Joint Staff, the Special Operations Command, and the Washington Headquarters Services.
- Data for the Washington Headquarters Services' (WHS) submission for Volumes 44 and 45 are derived from appropriated Department of Defense (DOD) budget baselines and may include a portion of the Defense Research and Engineering (DR&E) data. NSF will update all data tables in Volume 46 to reflect WHS data revisions.

Table C-1. Federal obligations for research and development, by character of work, and R&D plant:
fiscal years 1951-97

[Dollars in thousands]

Page 1 of 1

Fiscal Years	Total	Total research and development	Research		Development	R&D Plant
			Basic	Applied		
1951	1,851,571	1,521,527	NA	NA	NA	330,044
1952	2,216,848	1,909,665	120,945	NA	NA	307,183
1953	2,167,456	1,919,543	115,997	NA	NA	247,913
1954	1,918,046	1,761,840	116,033	NA	NA	156,206
1955	2,251,894	2,044,593	130,068	NA	NA	207,301
1956	3,266,903	2,988,203	206,441	645,506	2,136,256	278,700
1957	4,389,237	3,932,001	262,348	662,199	3,007,454	457,236
1958	4,906,015	4,569,722	334,543	744,264	3,490,915	336,293
1959	7,122,610	6,693,510	465,981	874,272	5,353,257	429,100
1960	8,080,015	7,551,746	590,374	1,282,135	5,679,237	528,269
1961	9,607,023	9,058,623	814,513	1,663,431	6,580,679	548,400
1962	11,069,059	10,289,947	986,314	2,018,481	7,285,152	779,112
1963	13,662,879	12,494,611	1,151,753	2,356,150	8,986,708	1,168,268
1964	15,323,870	14,225,354	1,303,000	2,571,452	10,350,902	1,098,516
1965	15,745,852	14,614,249	1,435,469	2,811,761	10,367,019	1,131,603
1966	16,178,640	15,320,334	1,579,181	3,081,066	10,660,087	858,306
1967	17,149,186	16,529,099	1,845,847	2,785,543	11,897,709	620,087
1968	16,525,038	15,921,208	1,840,562	2,940,500	11,140,146	603,830
1969	16,309,900	15,640,868	1,944,773	2,700,117	10,995,998	669,012
1970	15,863,385	15,338,937	1,925,908	2,974,890	10,438,139	524,448
1971	16,153,756	15,542,512	1,980,141	3,143,030	10,419,341	611,244
1972	17,097,951	16,495,895	2,186,937	3,360,759	10,948,199	602,056
1973	17,574,486	16,800,153	2,232,006	3,349,423	11,218,724	774,333
1974	18,176,457	17,410,128	2,387,681	3,787,559	11,234,888	766,329
1975	19,859,548	19,038,818	2,588,427	4,141,281	12,309,110	820,730
1976	21,616,382	20,779,658	2,767,454	4,851,878	13,160,326	836,724
1977	24,817,577	23,450,377	3,258,640	5,255,475	14,936,262	1,367,200
1978	27,140,849	25,845,137	3,698,604	5,908,154	16,238,379	1,295,712
1979	29,620,597	28,145,142	4,192,665	6,342,340	17,610,137	1,475,455
1980	31,386,095	29,830,432	4,674,156	6,923,222	18,233,054	1,555,663
1981	34,589,634	33,103,924	5,041,295	7,171,485	20,891,144	1,485,710
1982	37,822,363	36,432,589	5,481,605	7,540,580	23,410,404	1,389,774
1983	40,009,032	38,711,537	6,260,131	7,993,394	24,458,012	1,297,495
1984	44,012,149	42,224,865	7,067,359	7,911,414	27,246,092	1,787,284
1985	50,180,369	48,359,565	7,818,682	8,314,739	32,226,144	1,820,804
1986	52,951,181	51,412,364	8,153,076	8,348,123	34,910,165	1,538,817
1987	57,099,656	55,253,693	8,942,425	8,998,096	37,313,172	1,845,963
1988	58,826,512	56,769,425	9,473,618	9,176,527	38,119,280	2,057,087
1989	63,571,605	61,406,484	10,602,011	10,163,520	40,640,953	2,165,121
1990	65,831,189	63,559,471	11,285,593	10,336,771	41,937,107	2,271,718
1991	64,147,951	61,295,152	12,170,794	11,797,583	37,326,775	2,852,799
1992	68,577,184	65,592,590	12,489,864	12,000,734	41,101,992	2,984,594
1993	70,414,697	67,314,025	13,399,121	13,491,376	40,423,528	3,100,672
1994	69,426,972	67,255,776	13,552,858	13,887,494	39,815,424	2,171,196
1995	71,011,759	68,754,875	13,895,493	14,677,941	40,181,441	2,256,884
1996 (Preliminary)	71,047,756	69,076,929	14,482,056	14,095,711	40,499,162	1,970,827
1997 (Preliminary)	70,148,683	68,063,742	14,732,254	14,441,282	38,890,206	2,084,941

KEY: NA = Not applicable (indicates that the data collected for this table were not recorded at that level in that particular fiscal year)

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

**Table C-2. Summary of Federal funds for research and development and for R&D plant:
fiscal years 1995, 1996, and 1997**

[In millions of dollars and percentages]

Page 1 of 2

Item	1995	Preliminary			
		1996	Percentage change 1995-96	1997	Percentage change 1996-97
Total outlays for research and development and for R&D plant	\$68,410.0	\$69,180.0	1.1	\$70,118.4	1.4
Research and development	66,374.6	66,876.9	.8	67,691.5	1.2
R&D plant	2,035.4	2,303.1	13.2	2,426.9	5.4
Total obligations for research and development and for R&D plant	71,011.8	71,047.8	1	70,148.7	1.3
Research and development, total	68,754.9	69,076.9	.5	68,063.7	1.5
By performers:					
Intramural ¹	17,342.7	16,897.0	-2.6	16,403.7	-2.9
Industrial firms	30,468.7	31,267.6	2.6	30,712.6	1.8
FFRDCs administered by industrial firms	1,203.9	1,231.3	2.3	1,339.5	8.8
Universities and colleges	11,933.0	12,251.2	2.7	12,362.2	.9
FFRDCs administered by universities and colleges	3,574.3	3,302.2	-7.6	3,230.6	-2.2
Other nonprofit institutions	2,806.5	2,866.6	2.1	2,883.6	.6
FFRDCs administered by nonprofit institutions	831.4	721.2	-13.3	644.1	-10.7
State and local governments	316.5	273.8	-13.5	281.6	2.9
Foreign	277.8	266.0	-4.2	205.9	-22.6
Research, total	28,573.4	28,577.8	.	29,173.5	2.1
By performers:					
Intramural ¹	7,787.8	7,404.3	-4.9	7,696.1	3.9
Industrial firms	4,727.9	4,672.8	-1.2	4,799.7	2.7
FFRDCs administered by industrial firms	818.0	877.7	7.3	1,005.5	14.6
Universities and colleges	10,371.6	10,919.9	5.3	10,823.3	-.9
FFRDCs administered by universities and colleges	2,235.6	2,085.7	-6.7	2,131.1	2.2
Other nonprofit institutions	2,056.1	2,101.0	2.2	2,199.9	4.7
FFRDCs administered by nonprofit institutions	210.1	183.7	-12.6	191.6	4.3
State and local governments	221.4	198.9	-10.2	207.0	4.1
Foreign	144.8	133.9	-7.6	119.3	-10.9
By fields of science:					
Life sciences	11,869.4	12,150.1	2.4	12,299.6	1.2
Psychology	620.8	641.3	3.3	650.2	1.4
Physical sciences	4,281.6	4,322.4	1.0	4,398.2	1.8
Environmental sciences	2,947.4	2,924.1	-.8	2,955.1	1.1
Mathematics and computer sciences	1,530.9	1,508.3	-1.5	1,545.8	2.5
Engineering	5,740.1	5,508.5	-4.0	5,707.7	3.6
Social sciences	681.5	669.4	-1.8	727.6	8.7
Other sciences, n.e.c.	901.8	853.5	-5.4	889.3	4.2
Basic research, total	13,895.5	14,482.1	4.2	14,732.3	1.7
By performers:					
Intramural ¹	2,712.9	2,413.9	-11.0	2,667.8	10.5
Industrial firms	1,221.2	1,225.7	.4	1,279.1	4.4
FFRDCs administered by industrial firms	239.1	339.9	42.2	368.3	8.3
Universities and colleges	6,951.3	7,753.6	11.5	7,405.5	-4.5
FFRDCs administered by universities and colleges	1,438.3	1,503.5	4.5	1,519.7	1.1
Other nonprofit institutions	1,134.2	1,062.1	-6.4	1,270.2	19.6
FFRDCs administered by nonprofit institutions	75.2	71.6	-4.8	82.9	15.8
State and local governments	78.7	70.4	-10.6	92.3	31.2
Foreign	44.5	41.3	-7.2	46.5	12.6
By fields of science:					
Life sciences	6,645.3	6,896.1	3.8	7,043.4	2.1
Psychology	275.5	288.6	4.7	294.4	2.0
Physical sciences	2,863.0	3,160.7	10.4	3,185.6	.8
Environmental sciences	1,473.2	1,512.7	2.7	1,496.0	-1.1
Mathematics and computer sciences	554.0	597.8	7.9	604.3	1.1
Engineering	1,468.1	1,392.5	-5.1	1,453.2	4.4
Social sciences	209.5	214.5	2.4	226.7	5.7
Other sciences, n.e.c.	406.9	419.0	3.0	428.5	2.3

See explanatory information, if any, and SOURCE at end of table

**Table C-2. Summary of Federal funds for research and development and for R&D plant:
fiscal years 1995, 1996, and 1997**

[In millions of dollars and percentages]

Page 2 of 2

Item	1995	Preliminary			
		1996	Percentage change 1995-96	1997	Percentage change 1996-97
Applied research, total	\$14,677.9	\$14,095.7	-4.0	\$14,441.3	2.5
By performers:					
Intramural ¹	5,074.9	4,990.4	-1.7	5,028.3	.8
Industrial firms	3,506.7	3,447.1	-1.7	3,520.6	2.1
FFRDCs administered by industrial firms	578.9	537.7	-7.1	637.2	18.5
Universities and colleges	3,420.3	3,166.3	-7.4	3,417.8	7.9
FFRDCs administered by universities and colleges	797.3	582.2	-27.0	611.4	5.0
Other nonprofit institutions	921.9	1,038.9	12.7	929.7	-10.5
FFRDCs administered by nonprofit institutions	134.9	112.1	-16.9	108.7	-3.0
State and local governments	142.7	128.5	-9.9	114.7	-10.8
Foreign	100.3	92.6	-7.7	72.8	-21.3
By fields of science:					
Life sciences	5,224.1	5,254.0	.6	5,256.2	*
Psychology	345.2	352.7	2.2	355.9	.9
Physical sciences	1,418.5	1,161.7	-18.1	1,212.6	4.4
Environmental sciences	1,474.2	1,411.4	-4.3	1,459.1	3.4
Mathematics and computer sciences	976.9	910.5	-6.8	941.5	3.4
Engineering	4,272.0	4,116.0	-3.7	4,254.5	3.4
Social sciences	472.0	454.8	-3.6	500.9	10.1
Other sciences, n.e.c.	494.9	434.5	-12.2	460.7	6.0
Development, total	40,181.4	40,499.2	.8	38,890.2	-4.0
By performers:					
Intramural ¹	9,554.9	9,492.8	-.7	8,707.6	-8.3
Industrial firms	25,740.7	26,594.8	3.3	25,912.9	-2.6
FFRDCs administered by industrial firms	385.9	353.6	-8.4	334.0	-5.5
Universities and colleges	1,561.4	1,331.3	-14.7	1,538.9	15.6
FFRDCs administered by universities and colleges	1,338.7	1,216.5	-9.1	1,099.5	-9.6
Other nonprofit institutions	750.4	765.6	2.0	683.7	-10.7
FFRDCs administered by nonprofit institutions	621.3	537.5	-13.5	452.5	-15.8
State and local governments	95.1	74.9	-21.3	74.6	-.4
Foreign	133.0	132.2	-.6	86.5	-34.5
R&D plant, total	2,256.9	1,970.8	-12.7	2,084.9	5.8
By performers supported:					
Intramural	482.6	571.1	18.3	723.7	26.7
Industrial firms	696.6	415.0	-40.4	407.5	-1.8
FFRDCs administered by industrial firms	95.1	77.1	-19.0	83.3	8.0
Universities and colleges	323.8	279.6	-13.7	157.4	-43.7
FFRDCs administered by universities and colleges	543.9	536.2	-1.4	642.1	19.7
Other nonprofit institutions	25.6	21.7	-15.1	12.2	-43.7
FFRDCs administered by nonprofit institutions	62.6	69.7	11.3	58.2	-16.5
State and local governments	5	5	0	5	0
Foreign	26.1	0	-100.0	0	0

¹ Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

NOTE: Because of rounding, detail may not add to totals. Percentages are computed using dollars in thousands.

KEY: * = Percentage less than .05%
FFRDCs = Federally funded research and development centers
n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development, Fiscal Years 1995, 1996, and 1997.

**Table C-3. Federal funds for research and development and for R&D plant, by agency:
fiscal years 1995, 1996, and 1997**

[Dollars in millions]

Page 1 of 3

Agency and subdivision	Obligations			Outlays		
	1995	Preliminary		1995	Preliminary	
		1996	1997		1996	1997
Total, all agencies	71,011.8	71,047.8	70,148.7	68,410.0	69,180.0	70,118.4
Departments						
Department of Agriculture, total	1,523.1	1,501.8	1,493.8	1,503.8	1,512.2	1,507.1
Agricultural Marketing Service	4.8	4.9	4.9	5.0	4.9	4.9
Agricultural Research Service ¹	751.0	759.3	819.9	758.4	768.2	790.4
Animal & Plant Health Inspection Service	19.1	21.2	20.6	19.1	21.2	20.6
Cooperative State Research, Education, & Extension Service ²	489.0	473.2	402.2	463.9	474.8	445.2
Economic Research Service	53.8	53.1	54.9	52.0	53.2	54.7
Foreign Agricultural Service ³	5	1.4	1.4	5	1.4	1.4
Forest Service	197.8	180.5	181.8	197.8	180.5	181.8
Grain Inspection Packers & Stockyards Admin ⁴	1.5	2.8	2.8	1.5	2.8	2.8
National Agricultural Statistics Service	4.0	3.9	3.9	4.2	3.8	3.9
Rural Business Cooperative Service ⁵	1.6	1.4	1.4	1.6	1.4	1.4
Department of Commerce, total	1,213.7	1,252.4	1,201.4	886.4	957.7	1,040.3
Bureau of the Census	4.9	7.1	7.1	5.1	7.4	7.4
Economic Development Administration	5	5	1.5	1.0	5	1.5
National Institute of Standards & Technology	640.5	711.2	647.0	350.4	416.2	485.6
National Oceanic & Atmospheric Administration	561.4	529.1	541.1	523.6	529.1	541.1
Nat'l Telecommunications & Information Admin	6.4	4.5	4.7	6.4	4.5	4.7
Office of the Secretary			0		0	0
Department of Defense, total	34,427.3	34,368.8	33,004.3	33,712.5	33,499.0	32,870.5
Department of the Army, total	5,424.7	4,838.5	4,377.7	5,137.3	5,112.4	4,581.2
Department of the Army, Civil Functions ⁶	56.3	29.4	36.2	56.3	29.4	36.2
Department of the Army, Military Functions	5,368.5	4,809.1	4,341.5	5,081.0	5,083.0	4,545.0
Department of the Navy	8,974.5	8,812.3	7,593.6	9,454.1	8,571.5	7,952.5
Department of the Air Force	11,835.7	12,123.6	13,379.7	12,051.8	11,809.3	12,987.5
Defense Agencies, total	7,939.6	8,343.6	7,380.3	6,822.7	7,727.9	7,075.4
Ballistic Missile Defense Organization	2,400.7	2,937.3	2,568.5	2,423.6	2,991.7	2,628.2
Defense Advanced Research Projects Agency ⁷	2,503.8	2,255.0	2,185.7	2,391.4	2,324.2	2,235.9
Defense Information Systems Agency	79.0	56.3	66.6	72.0	60.0	54.2
Defense Logistics Agency	33.8	35.1	38.8	27.6	41.2	44.0
Defense Mapping Agency	78.3	58.9	95.2	36.2	65.4	88.2
Defense Nuclear Agency	243.9	194.8	224.4	320.4	270.3	244.8
Joint Staff	4.2	12.5	36.8	4.2	12.5	36.8
Special Operations Command	264.6	156.9	125.6	219.9	278.5	144.6
Washington Headquarters Services ⁸	2,331.4	2,636.8	2,036.7	1,327.5	1,684.1	1,596.7
Operational Test & Evaluation, Director	21.7	23.0	22.0	12.4	30.8	21.8
Test & Evaluation, Deputy Under Secretary of Defense	231.0	227.8	251.0	234.3	247.1	252.0
Department of Education	179.4	181.7	188.1	180.6	181.0	170.2
Department of Energy	6,890.0	6,431.5	6,721.1	7,016.3	6,728.5	6,879.3
Department of Health & Human Services, total	11,711.0	12,218.0	12,614.2	11,245.2	11,321.4	12,318.1
Administration on Aging	20.7	3.7	3.2	20.7	2.9	2.9
Administration for Children & Families	12.0	9.0	19.0	12.0	9.0	19.0
Agency for Health Care Policy & Research	135.3	65.2	84.0	133.0	124.0	85.0
Centers for Disease Control & Prevention	317.4	323.2	361.2	317.4	323.4	361.2
Food & Drug Administration	175.8	182.6	178.8	147.9	154.6	146.1
Health Care Financing Administration	74.5	54.5	55.3	72.9	70.1	59.0
Health Resources & Services Administration	14.8	14.0	12.7	14.4	13.7	12.7
National Institutes of Health ⁹	10,930.6	11,556.3	11,890.5	10,511.5	10,616.4	11,625.8
Office of the Assistant Secretary for Health	3	5	6	6	5	5
Office of the Secretary	9.1	9.0	9.0	3.5	7.0	6.0
Social Security Administration ¹⁰	20.4	0	0	11.3	0	0

See explanatory information, if any, and SOURCE at end of table

**Table C-3. Federal funds for research and development and for R&D plant, by agency:
fiscal years 1995, 1996, and 1997**

[Dollars in millions]

Page 2 of 3

Agency and subdivision	Obligations			Outlays		
	1995	Preliminary		1995	Preliminary	
		1996	1997		1996	1997
Department of Housing & Urban Development	41.8	35.0	45.5	38.0	34.8	39.1
Department of the Interior, total	568.3	567.5	580.6	558.8	570.0	591.4
Bureau of Reclamation	8.0	6.0	7.6	8.0	6.0	7.6
Geological Survey ¹	367.4	519.9	530.6	359.3	522.4	541.4
Minerals Management Service	21.0	21.8	21.6	20.8	21.7	21.6
National Biological Service ^{2 1}	152.1	0	0	151.0	0	0
National Park Service ²	19.7	19.8	20.8	19.7	19.8	20.8
Office of the Secretary	-	-	0	-	-	0
Department of Justice, total	57.9	80.9	93.7	49.0	76.9	93.8
Bureau of Prisons	5.7	4.7	4.7	5.7	4.7	4.7
Drug Enforcement Administration	4	1.2	5	4	1.2	5
Federal Bureau of Investigation	10.9	36.8	34.8	10.9	36.8	34.8
Immigration & Naturalization Service	4	4	4	4	4	4
Office of Justice Programs	40.5	37.8	53.2	31.5	33.8	53.3
Department of Labor, total	53.7	46.5	42.9	51.7	48.1	45.7
Bureau of Labor Statistics	13.1	13.3	12.6	13.1	13.3	12.6
Employment & Training Administration	25.6	20.8	17.3	23.1	23.4	21.1
Occupational Safety & Health Administration	4.4	3.2	3.5	4.3	3.1	3.6
Office of the Secretary	6.3	6.4	6.5	6.2	5.4	5.4
Pension Benefit Guaranty Corporation	8	6	7	1.4	6	7
Pension & Welfare Benefits Administration	3.6	2.3	2.3	3.6	2.3	2.3
Department of State	5.0	4.3	4.3	5.0	4.3	4.3
Department of Transportation, total	755.8	670.5	728.2	661.4	551.1	664.2
Coast Guard	20.2	20.6	20.3	21.1	24.1	24.5
Federal Aviation Administration	310.1	238.2	240.9	270.8	277.6	260.9
Federal Highway Administration	315.6	308.6	363.4	260.6	133.5	456.9
Federal Railroad Administration	30.1	34.5	27.6	22.8	37.1	32.3
Federal Transit Administration	28.7	16.0	14.6	33.4	27.7	22.1
Maritime Administration	2.5	0	2.0	2.3	3	1.8
National Highway Traffic Safety Admin	39.7	38.2	45.7	41.4	39.2	51.8
Office of the Secretary	3.9	2.9	2.8	4.0	2.8	2.8
Research & Special Programs Administration	5.0	11.5	10.9	4.9	8.8	11.2
Department of the Treasury, total	61.5	63.8	64.5	61.5	63.8	64.2
Bureau of Engraving & Printing	1.8	2.2	2.0	1.8	2.2	2.0
Internal Revenue Service	49.7	50.6	54.3	49.7	50.6	54.3
Office of Thrift Supervision	6	5	6	6	5	6
United States Customs Service	8.6	9.6	6.5	8.6	9.6	6.5
United States Mint	3	2	4	3	2	1
United States Secret Service ³	6	6	6	6	6	6
Department of Veterans Affairs	245.1	279.8	262.3	258.3	259.1	261.2

See explanatory information, if any, and SOURCE at end of table.

**Table C-3. Federal funds for research and development and for R&D plant, by agency:
fiscal years 1995, 1996, and 1997**

[Dollars in millions]

Page 3 of 3

Agency and subdivision	Obligations			Outlays		
	1995	Preliminary		1995	Preliminary	
		1996	1997		1996	1997
Other agencies:						
Advisory Comm on Intergovernmental Relations	1.4	1.4	0	1.4	1.4	0
Appalachian Regional Commission	9	9	9	9	9	9
Consumer Product Safety Commission	4	-	0	4	1	-
Environmental Protection Agency	556.3	461.9	585.7	495.5	422.3	523.8
Federal Communications Commission	2.3	2.8	2.7	2.3	2.8	2.7
Federal Trade Commission	6	1.0	1.0	6	1.0	1.0
General Services Administration	1	2	0	1.3	1.2	1.1
International Development Cooperation						
Agency, total	302.5	246.5	186.8	256.8	277.7	244.4
Agency for International Development	302.5	246.5	186.8	256.8	277.7	244.4
Library of Congress	10.2	8.3	9.1	7.7	11.0	8.3
National Aeronautics & Space Administration	9,639.7	9,946.2	9,519.0	9,116.2	10,074.2	9,839.3
National Archives & Records Administration	1	1	1	1	1	1
National Science Foundation	2,438.9	2,360.5	2,479.2	1,977.0	2,261.0	2,433.0
Nuclear Regulatory Commission	88.2	59.2	59.0	88.8	66.4	59.1
Smithsonian Institution	129.0	130.4	141.8	125.0	126.0	137.0
Social Security Administration ¹⁰	0	8.3	27.7	0	8.3	27.7
Tennessee Valley Authority	94.1	104.4	77.0	94.1	104.4	77.0
United States Arms Control & Disarmament Agency	1.1	5	1.0	1.1	5	1.0
United States Information Agency	3	2	1	3	2	1
United States International Trade Commission	12.2	12.7	12.5	12.2	12.7	12.5

¹ The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.

² The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.

³ The Office of International Cooperation & Development became part of the Foreign Agricultural Service (FAS) in June 1994. Data reported for FAS include funds appropriated to International Cooperation & Development programs within FAS as of fiscal year 1994.

⁴ The Federal Grain Inspection Service was abolished on Oct. 20, 1994, and its functions were assumed by the Grain Inspection Packers & Stockyards Administration.

⁵ This agency's name changed from the Rural Business & Cooperative Development Service to the Rural Business Cooperative Service on Jan. 30, 1996.

⁶ The Department of the Army, Civil functions (Corps of Engineers) development activities are appropriated by the Energy & Water Development Act and therefore cannot be categorized according to the advanced technology and major systems development breakdown.

⁷ This agency's name changed to the Advanced Research Projects Agency on July 13, 1993, and it was changed back to Defense Advanced Research Projects Agency in February 1996.

⁸ Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services' submission as of Vol. 45.

⁹ Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.

¹⁰ As of Mar. 31, 1995, the Social Security Administration became an independent agency; it is no longer part of the Department of Health & Human Services.

¹¹ As of fiscal year 1996, data for the National Biological Service (NBS) are included with the Geological Survey's submission, since NBS's funding comes from the Geological Survey's congressional appropriation.

¹² The National Biological Service's (NBS) name changed from the National Biological Survey on Jan. 5, 1995. As of fiscal year 1994, NBS performs all biological research activities formerly funded by the United States Fish & Wildlife Service and the National Park Service.

¹³ The United States Secret Service was formerly listed as the Office of Protective Research.

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: - = Amount less than 50 thousand dollars

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development, Fiscal Years 1995, 1996, and 1997

**Table C-4. Federal funds for total research and development, by agency:
fiscal years 1995, 1996, and 1997**

[Dollars in millions]

Page 1 of 3

Agency and subdivision	Obligations			Outlays		
	1995	Preliminary		1995	Preliminary	
		1996	1997		1996	1997
Total: all agencies	68,754.9	69,076.9	68,063.7	66,374.6	66,876.9	67,691.5
Departments						
Department of Agriculture, total	1,379.8	1,352.3	1,368.6	1,375.3	1,362.9	1,353.5
Agricultural Marketing Service	4.8	4.9	4.9	5.0	4.9	4.9
Agricultural Research Service ¹	683.3	680.9	696.6	679.3	680.3	693.8
Animal & Plant Health Inspection Service	19.1	19.7	20.6	19.1	19.7	20.6
Cooperative State Research, Education, & Extension Service ²	417.7	406.2	402.2	418.8	417.5	390.2
Economic Research Service	53.8	53.1	54.9	52.0	53.2	54.7
Foreign Agricultural Service ³	5	1.4	1.4	5	1.4	1.4
Forest Service	193.5	178.0	179.8	193.5	178.0	179.8
Grain Inspection Packers & Stockyards Admin ⁴	1.5	2.8	2.8	1.5	2.8	2.8
National Agricultural Statistics Service	4.0	3.9	3.9	4.2	3.8	3.9
Rural Business- Cooperative Service ⁵	1.6	1.4	1.4	1.6	1.4	1.4
Department of Commerce, total	1,136.0	1,172.6	1,095.8	863.0	926.0	991.7
Bureau of the Census	4.9	7.1	7.1	5.1	7.4	7.4
Economic Development Administration	5	5	1.5	1.0	5	1.5
National Institute of Standards & Technology	563.3	631.7	541.7	327.4	384.8	437.3
National Oceanic & Atmospheric Administration	560.9	528.8	540.8	523.1	528.8	540.8
Nat'l Telecommunications & Information Admin	6.4	4.5	4.7	6.4	4.5	4.7
Office of the Secretary			0		0	0
Department of Defense, total	34,362.0	34,284.3	32,964.4	33,629.5	33,405.7	32,819.2
Department of the Army, total	5,419.3	4,833.3	4,373.3	5,133.0	5,107.1	4,576.6
Department of the Army, Civil Functions ⁶	56.3	29.4	36.2	56.3	29.4	36.2
Department of the Army, Military Functions	5,363.0	4,804.0	4,337.1	5,076.8	5,077.8	4,540.4
Department of the Navy	8,963.3	8,804.0	7,581.6	9,416.6	8,552.6	7,942.9
Department of the Air Force	11,797.9	12,096.2	13,359.8	12,024.9	11,780.8	12,962.4
Defense Agencies, total	7,928.9	8,299.9	7,376.6	6,808.2	7,687.3	7,063.5
Ballistic Missile Defense Organization	2,395.0	2,910.8	2,567.1	2,415.5	2,965.1	2,626.8
Defense Advanced Research Projects Agency ⁷	2,503.8	2,255.0	2,185.7	2,391.4	2,324.2	2,235.9
Defense Information Systems Agency	79.0	56.3	66.6	72.0	60.0	54.2
Defense Logistics Agency	33.6	34.9	38.6	27.4	41.0	43.8
Defense Mapping Agency	78.3	58.9	95.2	36.2	65.4	88.2
Defense Nuclear Agency	243.9	194.8	224.4	316.2	264.4	242.6
Joint Staff	4.2	12.5	38.8	4.2	12.5	38.8
Special Operations Command	264.6	156.9	125.6	219.9	278.5	144.6
Washington Headquarters Services ⁸	2,326.7	2,619.8	2,034.6	1,325.5	1,676.2	1,588.7
Operational Test & Evaluation, Director	21.7	23.0	22.0	12.4	30.8	21.8
Test & Evaluation, Deputy Under Secretary of Defense	231.0	227.8	251.0	234.3	247.1	252.0
Department of Education	177.6	181.7	188.1	179.6	174.6	169.5
Department of Energy	6,145.0	5,675.7	5,895.2	6,152.2	5,858.0	5,963.6
Department of Health & Human Services, total	11,455.2	11,914.2	12,184.9	10,978.2	11,006.4	11,882.3
Administration on Aging	20.7	3.7	3.2	20.7	2.9	2.9
Administration for Children & Families	12.0	9.0	19.0	12.0	9.0	19.0
Agency for Health Care Policy & Research	135.3	65.2	84.0	133.0	124.0	85.0
Centers for Disease Control & Prevention	317.4	323.2	361.2	317.4	323.4	361.2
Food & Drug Administration	170.5	170.5	170.5	131.3	131.3	131.3
Health Care Financing Administration	74.5	54.5	55.3	72.9	70.1	59.0
Health Resources & Services Administration	13.2	13.0	11.7	12.8	12.7	11.7
National Institutes of Health ⁹	10,681.8	11,265.6	11,470.5	10,262.8	10,325.7	11,205.8
Office of the Assistant Secretary for Health	3	5	6	6	5	5
Office of the Secretary	9.1	9.0	9.0	3.5	7.0	6.0
Social Security Administration ¹⁰	20.4	0	0	11.3	0	0

See explanatory information, if any, and SOURCE at end of table

**Table C-4. Federal funds for total research and development, by agency:
fiscal years 1995, 1996, and 1997**

[Dollars in millions]

Page 2 of 3

Agency and subdivision	Obligations			Outlays		
	1995	Preliminary		1995	Preliminary	
		1996	1997		1996	1997
Department of Housing & Urban Development	41.8	35.0	45.5	38.0	34.8	39.1
Department of the Interior, total	561.6	565.1	573.5	552.3	567.6	584.4
Bureau of Reclamation	8.0	6.0	7.6	8.0	6.0	7.6
Geological Survey ¹	362.0	518.5	524.4	354.1	521.0	535.4
Minerals Management Service	20.0	20.8	20.6	19.8	20.7	20.6
National Biological Service ²	151.8	0	0	150.7	0	0
National Park Service ²	19.7	19.8	20.8	19.7	19.8	20.8
Office of the Secretary			0			0
Department of Justice, total	57.9	80.9	93.7	49.0	76.9	93.8
Bureau of Prisons	5.7	4.7	4.7	5.7	4.7	4.7
Drug Enforcement Administration	4	1.2	5	4	1.2	5
Federal Bureau of Investigation	10.9	36.8	34.8	10.9	36.8	34.8
Immigration & Naturalization Service	4	4	4	4	4	4
Office of Justice Programs	40.5	37.8	53.2	31.5	33.8	53.3
Department of Labor, total	53.7	46.5	42.9	51.7	48.1	45.7
Bureau of Labor Statistics	13.1	13.3	12.6	13.1	13.3	12.6
Employment & Training Administration	25.6	20.8	17.3	23.1	23.4	21.1
Occupational Safety & Health Administration	4.4	3.2	3.5	4.3	3.1	3.6
Office of the Secretary	6.3	6.4	6.5	6.2	5.4	5.4
Pension Benefit Guaranty Corporation	8	6	7	1.4	6	7
Pension & Welfare Benefits Administration	3.6	2.3	2.3	3.6	2.3	2.3
Department of State	5.0	4.3	4.3	5.0	4.3	4.3
Department of Transportation, total	727.0	641.4	705.7	634.7	531.4	840.4
Coast Guard	19.7	20.0	19.8	20.6	23.6	24.0
Federal Aviation Administration	288.4	217.6	223.7	256.8	261.6	242.9
Federal Highway Administration	312.5	304.8	362.1	249.6	133.2	455.6
Federal Railroad Administration	26.5	30.3	24.1	21.5	34.2	28.2
Federal Transit Administration	28.7	16.0	14.6	33.4	27.7	22.1
Maritime Administration	2.5	0	2.0	2.3	3	1.8
National Highway Traffic Safety Admin	39.7	38.2	45.7	41.4	39.2	51.8
Office of the Secretary	3.9	2.9	2.8	4.0	2.8	2.8
Research & Special Programs Administration	5.0	11.5	10.9	4.9	8.8	11.2
Department of the Treasury, total	61.4	63.6	64.4	61.4	63.6	64.0
Bureau of Engraving & Printing	1.8	2.2	2.0	1.8	2.2	2.0
Internal Revenue Service	49.7	50.6	54.3	49.7	50.6	54.3
Office of Thrift Supervision	6	5	6	6	5	6
United States Customs Service	8.5	9.5	6.4	8.5	9.5	6.4
United States Mint	3	2	4	3	2	1
United States Secret Service ³	5	6	6	5	6	6
Department of Veterans Affairs	237.9	276.2	258.0	251.1	255.5	256.9

See explanatory information, if any, and SOURCE at end of table

**Table C-4. Federal funds for total research and development, by agency:
fiscal years 1995, 1996, and 1997**

[Dollars in millions]

Page 3 of 3

Agency and subdivision	Obligations			Outlays		
	1995	Preliminary		1995	Preliminary	
		1996	1997		1996	1997
Other agencies						
Advisory Comm on Intergovernmental Relations	1.4	1.4	0	1.4	1.4	0
Appalachian Regional Commission	9	9	9	9	9	9
Consumer Product Safety Commission	4	-	0	4	1	-
Environmental Protection Agency	551.5	457.1	581.0	492.5	419.3	520.8
Federal Communications Commission	2.3	2.8	2.7	2.3	2.8	2.7
Federal Trade Commission	6	1.0	1.0	6	1.0	1.0
International Development Cooperation						
Agency, total	302.5	246.5	186.8	256.8	277.7	244.4
Agency for International Development	302.5	246.5	186.8	256.8	277.7	244.4
Library of Congress	10.2	8.3	9.1	7.7	11.0	8.3
National Aeronautics & Space Administration	9,014.9	9,613.7	9,204.2	8,600.7	9,484.1	9,350.4
National Archives & Records Administration	1	1	1	1	1	1
National Science Foundation	2,149.3	2,141.7	2,278.9	1,876.0	2,051.0	2,146.0
Nuclear Regulatory Commission	88.2	59.2	59.0	88.8	66.4	59.1
Smithsonian Institution	124.0	125.4	136.8	119.0	120.0	131.0
Social Security Administration ¹⁰	0	8.3	27.7	0	8.3	27.7
Tennessee Valley Authority	93.1	103.4	77.0	93.1	103.4	77.0
United States Arms Control & Disarmament Agency	1.1	5	1.0	1.1	5	1.0
United States Information Agency	3	2	1	3	2	1
United States International Trade Commission	12.2	12.7	12.5	12.2	12.7	12.5

¹ The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.

² The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research Education, and Extension Service, due to a reorganization within the Department of Agriculture.

³ The Office of International Cooperation & Development became part of the Foreign Agricultural Service (FAS) in June 1994. Data reported for FAS include funds appropriated to International Cooperation & Development programs within FAS as of fiscal year 1994.

⁴ The Federal Grain Inspection Service was abolished on Oct. 20, 1994, and its functions were assumed by the Grain Inspection Packers & Stockyards Administration.

⁵ This agency's name changed from the Rural Business & Cooperative Development Service to the Rural Business-Cooperative Service on Jan. 30, 1996.

⁶ The Department of the Army, Civil functions (Corps of Engineers) development activities are appropriated by the Energy & Water Development Act and therefore cannot be categorized according to the advanced technology and major systems development breakdown.

⁷ This agency's name changed to the Advanced Research Projects Agency on July 13, 1993, and it was changed back to Defense Advanced Research Projects Agency in February 1996.

⁸ Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services' submission as of Vol. 45.

⁹ Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.

¹⁰ As of Mar. 31, 1995, the Social Security Administration became an independent agency; it is no longer part of the Department of Health & Human Services.

¹¹ As of fiscal year 1995, data for the National Biological Service (NBS) are included with the Geological Survey's submission, since NBS's funding comes from the Geological Survey's congressional appropriation.

¹² The National Biological Service's (NBS) name changed from the National Biological Survey on Jan. 5, 1995. As of fiscal year 1994, NBS performs all biological research activities formerly funded by the United States Fish & Wildlife Service and the National Park Service.

¹³ The United States Secret Service was formerly listed as the Office of Protective Research.

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: - = Amount less than 50 thousand dollars.

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development, Fiscal Years 1995, 1996, and 1997.

BEST COPY AVAILABLE

Table C-5. Federal obligations for total research and development, by agency and character of work: fiscal year 1995

[Dollars in thousands]

Page 1 of 3

Agency and subdivision	Total	Research		Development		
		Basic	Applied	Total	Advanced technology	Major systems
Total: all agencies	66,754,875	13,895,493	14,677,941	40,181,441	NA	NA
Departments:						
Department of Agriculture, total	1,379,753	594,903	704,649	80,201	NA	NA
Agricultural Marketing Service	4,797	0	4,180	617	NA	NA
Agricultural Research Service ¹	683,270	368,966	259,642	54,662	NA	NA
Animal & Plant Health Inspection Service	19,117	0	0	19,117	NA	NA
Cooperative State Research, Education, & Extension Service ²	417,712	185,992	231,720	0	NA	NA
Economic Research Service	53,827	5,383	48,444	0	NA	NA
Foreign Agricultural Service ³	457	343	114	0	NA	NA
Forest Service	193,509	32,897	154,807	5,805	NA	NA
Grain Inspection Packers & Stockyards Admin ⁴	1,484	0	1,484	0	NA	NA
National Agricultural Statistics Service	4,019	1,322	2,697	0	NA	NA
Rural Business Cooperative Service ⁵	1,561	0	1,561	0	NA	NA
Department of Commerce, total	1,136,003	39,258	853,060	243,685	NA	NA
Bureau of the Census	4,856	312	2,618	1,926	NA	NA
Economic Development Administration	521	0	521	0	NA	NA
National Institute of Standards & Technology	563,281	38,946	333,145	191,190	NA	NA
National Oceanic & Atmospheric Administration	560,931	0	510,362	50,569	NA	NA
Natl Telecommunications & Information Admin	6,383	0	6,383	0	NA	NA
Office of the Secretary	31	0	31	0	NA	NA
Department of Defense, total	34,362,034	1,264,113	3,069,821	30,028,100	NA	NA
Department of the Army, total	5,419,258	218,790	633,273	4,567,195	NA	NA
Department of the Army, Civil Functions ⁶	56,257	4,823	28,931	22,503	NA	NA
Department of the Army, Military Functions	5,363,001	213,967	604,342	4,544,692	618,225	3,926,467
Department of the Navy	8,963,258	409,419	470,533	8,083,306	413,927	7,669,379
Department of the Air Force	11,797,908	206,776	627,683	10,963,449	565,686	10,397,763
Defense Agencies, total	7,928,920	429,128	1,338,332	6,161,460	2,957,853	3,203,607
Ballistic Missile Defense Organization	2,394,952	10,742	93,811	2,290,399	426,398	1,864,001
Defense Advanced Research Projects Agency ⁷	2,503,793	94,587	826,817	1,582,389	1,547,656	34,733
Defense Information Systems Agency	78,990	0	1,717	77,273	0	77,273
Defense Logistics Agency	33,550	0	7,062	26,488	19,097	7,391
Defense Mapping Agency	78,299	0	0	78,299	0	78,299
Defense Nuclear Agency	243,907	0	209,033	34,874	34,874	0
Joint Staff	4,154	0	0	4,154	4,154	0
Special Operations Command	264,612	0	39,913	224,699	93,197	131,502
Washington Headquarters Services ⁸	2,326,663	323,799	159,979	1,842,885	832,477	1,010,408
Operational Test & Evaluation, Director	21,707	0	0	21,707	0	21,707
Test & Evaluation, Deputy Under Secretary of Defense	230,983	0	0	230,983	0	230,983
Department of Education	177,620	5,535	132,817	39,268	NA	NA
Department of Energy	6,144,975	1,634,353	1,825,581	2,685,041	NA	NA
Department of Health & Human Services, total	11,455,247	6,061,057	4,014,893	1,379,297	NA	NA
Administration on Aging	20,679	0	3,000	17,679	NA	NA
Administration for Children & Families	12,000	0	11,200	800	NA	NA
Agency for Health Care Policy & Research	135,287	0	124,000	11,287	NA	NA
Centers for Disease Control & Prevention	317,385	0	317,385	0	NA	NA
Food & Drug Administration	170,462	0	170,462	0	NA	NA
Health Care Financing Administration	74,537	0	74,537	0	NA	NA
Health Resources & Services Administration	13,177	1,010	11,201	966	NA	NA
National Institutes of Health ⁹	10,681,844	6,060,047	3,273,555	1,348,242	NA	NA
Office of the Assistant Secretary for Health	323	0	0	323	NA	NA
Office of the Secretary	9,121	0	9,121	0	NA	NA
Social Security Administration ¹⁰	20,432	0	20,432	0	NA	NA

See explanatory information, if any, and SOURCE at end of table.

Table C-5. Federal obligations for total research and development, by agency and character of work: fiscal year 1995

[Dollars in thousands]

Page 2 of 3

Agency and subdivision	Total	Research		Development		
		Basic	Applied	Total	Advanced technology	Major systems
Department of Housing & Urban Development	41,831	0	14,180	27,651	NA	NA
Department of the Interior, total	561,613	55,179	477,257	29,177	NA	NA
Bureau of Reclamation	7,990	0	5,997	1,993	NA	NA
Geological Survey ¹	362,037	41,649	306,248	14,140	NA	NA
Minerals Management Service	20,010	0	20,010	0	NA	NA
National Biological Service ^{2, 11}	151,810	13,000	125,810	13,000	NA	NA
National Park Service ²	19,722	530	19,192	0	NA	NA
Office of the Secretary	44	0	0	44	NA	NA
Department of Justice, total	57,938	8,121	17,707	32,110	NA	NA
Bureau of Prisons	5,724	0	3,249	2,475	NA	NA
Drug Enforcement Administration	400	0	0	400	NA	NA
Federal Bureau of Investigation	10,937	0	0	10,937	NA	NA
Immigration & Naturalization Service	400	0	400	0	NA	NA
Office of Justice Programs	40,477	8,121	14,058	18,298	NA	NA
Department of Labor, total	53,748	11,600	16,648	25,500	NA	NA
Bureau of Labor Statistics	13,100	11,600	1,500	0	NA	NA
Employment & Training Administration	25,594	0	4,206	21,388	NA	NA
Occupational Safety & Health Administration	4,370	0	4,370	0	NA	NA
Office of the Secretary	6,287	0	2,872	3,415	NA	NA
Pension Benefit Guaranty Corporation	799	0	102	697	NA	NA
Pension & Welfare Benefits Administration	3,598	0	3,598	0	NA	NA
Department of State	5,010	4,510	500	0	NA	NA
Department of Transportation, total	726,986	46,880	323,866	356,240	NA	NA
Coast Guard	19,719	0	4,930	14,789	NA	NA
Federal Aviation Administration	288,366	0	83,291	205,075	NA	NA
Federal Highway Administration	312,535	46,880	156,268	109,387	NA	NA
Federal Railroad Administration	26,545	0	22,545	4,000	NA	NA
Federal Transit Administration	28,724	0	10,866	17,858	NA	NA
Maritime Administration	2,450	0	2,450	0	NA	NA
National Highway Traffic Safety Admin	39,707	0	39,707	0	NA	NA
Office of the Secretary	3,901	0	590	3,311	NA	NA
Research & Special Programs Administration	5,039	0	3,219	1,820	NA	NA
Department of the Treasury, total	61,362	41	48,887	12,434	NA	NA
Bureau of Engraving & Printing	1,800	41	1,283	476	NA	NA
Internal Revenue Service	49,698	0	45,797	3,901	NA	NA
Office of Thrift Supervision	550	0	550	0	NA	NA
United States Customs Service	8,455	0	710	7,745	NA	NA
United States Mint	312	0	0	312	NA	NA
United States Secret Service ¹	547	0	547	0	NA	NA
Department of Veterans Affairs	237,860	12,390	206,416	19,054	NA	NA

See explanatory information, if any, and SOURCE at end of table

Table C-5. Federal obligations for total research and development, by agency and character of work: fiscal year 1995

[Dollars in thousands]

Page 3 of 3

Agency and subdivision	Total	Research		Development		
		Basic	Applied	Total	Advanced technology	Major systems
Other agencies:						
Advisory Comm on Intergovernmental Relations	1,413	0	1,413	0	NA	NA
Appalachian Regional Commission	900	0	900	0	NA	NA
Consumer Product Safety Commission	370	0	0	370	NA	NA
Environmental Protection Agency	551,521	70,297	331,330	149,894	NA	NA
Federal Communications Commission	2,268	0	2,268	0	NA	NA
Federal Trade Commission	564	0	564	0	NA	NA
International Development Cooperation Agency, total	302,498	2,297	270,382	29,819	NA	NA
Agency for International Development	302,498	2,297	270,382	29,819	NA	NA
Library of Congress	10,151	512	1,594	8,045	NA	NA
National Aeronautics & Space Administration	9,014,944	1,978,193	2,067,896	4,968,855	NA	NA
National Archives & Records Administration	120	0	120	0	NA	NA
National Science Foundation	2,149,277	1,973,264	176,013	0	NA	NA
Nuclear Regulatory Commission	88,212	0	88,212	0	NA	NA
Smithsonian Institution	124,000	124,000	0	0	NA	NA
Tennessee Valley Authority	93,070	8,990	17,380	66,700	NA	NA
United States Arms Control & Disarmament Agency	1,146	0	1,146	0	NA	NA
United States Information Agency	289	0	289	0	NA	NA
United States International Trade Commission	12,152	0	12,152	0	NA	NA

¹ The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.

² The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.

³ The Office of International Cooperation & Development became part of the Foreign Agricultural Service (FAS) in June 1994. Data reported for FAS include funds appropriated to International Cooperation & Development programs within FAS as of fiscal year 1994.

⁴ The Federal Grain Inspection Service was abolished on Oct. 20, 1994, and its functions were assumed by the Grain Inspection Packers & Stockyards Administration.

⁵ This agency's name changed from the Rural Business & Cooperative Development Service to the Rural Business-Cooperative Service on Jan. 30, 1996.

⁶ The Department of the Army, Civil functions (Corps of Engineers) development activities are appropriated by the Energy & Water Development Act and therefore cannot be categorized according to the advanced technology and major systems development breakdown.

⁷ This agency's name changed to the Advanced Research Projects Agency on July 13, 1993, and it was changed back to Defense Advanced Research Projects Agency in February 1996.

⁸ Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services' submission as of Vol. 45.

⁹ Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.

¹⁰ As of Mar. 31, 1995, the Social Security Administration became an independent agency; it is no longer part of the Department of Health & Human Services.

¹¹ As of fiscal year 1996, data for the National Biological Service (NBS) are included with the Geological Survey's submission, since NBS's funding comes from the Geological Survey's congressional appropriation.

¹² The National Biological Service's (NBS) name changed from the National Biological Survey on Jan. 5, 1995. As of fiscal year 1994, NBS performs all biological research activities formerly funded by the United States Fish & Wildlife Service and the National Park Service.

¹³ The United States Secret Service was formerly listed as the Office of Protective Research.

NOTES: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

Beginning with Vol. 44, Department of Defense development obligations are reported in two categories: advanced technology and major systems.

KEY: NA = Not applicable (data are not collected in this category for this agency)

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development, Fiscal Years 1995, 1996, and 1997

Table C-6. Preliminary Federal obligations for total research and development, by agency and character of work: fiscal year 1996

[Dollars in thousands]

Page 1 of 3

Agency and subdivision	Total	Research		Development		
		Basic	Applied	Total	Advanced technology	Major systems
Total, all agencies	69,076.929	14,482,056	14,095,711	40,499,162	NA	NA
Departments:						
Department of Agriculture, total	1,352,258	586,329	685,762	80,167	NA	NA
Agricultural Marketing Service	4,864	0	4,237	627	NA	NA
Agricultural Research Service ¹	680,863	367,666	258,728	54,469	NA	NA
Animal & Plant Health Inspection Service	19,731	0	0	19,731	NA	NA
Cooperative State Research, Education, & Extension Service ²	406,163	180,744	225,419	0	NA	NA
Economic Research Service	53,131	5,313	47,818	0	NA	NA
Foreign Agricultural Service ³	1,422	1,067	355	0	NA	NA
Forest Service	178,000	30,260	142,400	5,340	NA	NA
Grain Inspection Packers & Stockyards Admin ⁴	2,797	0	2,797	0	NA	NA
National Agricultural Statistics Service	3,887	1,279	2,608	0	NA	NA
Rural Business-Cooperative Service ⁵	1,400	0	1,400	0	NA	NA
Department of Commerce, total	1,172,635	37,529	860,512	274,594	NA	NA
Bureau of the Census	7,074	307	2,564	4,203	NA	NA
Economic Development Administration	500	0	500	0	NA	NA
National Institute of Standards & Technology	631,706	37,222	371,790	222,694	NA	NA
National Oceanic & Atmospheric Administration	528,848	0	481,151	47,697	NA	NA
Natl'l Telecommunications & Information Admin	4,479	0	4,479	0	NA	NA
Office of the Secretary	28	0	28	0	NA	NA
Department of Defense, total	34,284,285	1,134,158	2,814,272	30,335,855	NA	NA
Department of the Army, total	4,833,344	190,418	458,641	4,184,285	NA	NA
Department of the Army, Civil Functions ⁶	29,361	2,156	15,461	11,744	NA	NA
Department of the Army, Military Functions	4,803,983	188,262	443,180	4,172,541	751,853	3,420,688
Department of the Navy	8,804,034	373,175	568,346	7,862,513	484,012	7,378,501
Department of the Air Force	12,096,219	233,793	648,131	11,214,295	501,102	10,713,193
Defense Agencies, total	8,299,864	336,772	1,139,154	6,823,938	3,080,014	3,743,924
Ballistic Missile Defense Organization	2,910,781	7,902	74,594	2,828,285	684,733	2,143,552
Defense Advanced Research Projects Agency ⁷	2,254,956	65,971	711,626	1,477,359	1,408,189	69,170
Defense Information Systems Agency	56,276	0	1,455	54,821	0	54,821
Defense Logistics Agency	34,910	0	7,981	26,929	18,198	8,731
Defense Mapping Agency	58,888	0	0	58,888	0	58,888
Defense Nuclear Agency	194,823	0	168,417	26,406	26,406	0
Joint Staff	12,532	0	0	12,532	12,532	0
Special Operations Command	156,910	0	21,787	135,123	56,752	78,371
Washington Headquarters Services ⁸	2,619,788	262,899	153,294	2,203,595	873,204	1,330,391
Operational Test & Evaluation, Director	22,981	0	0	22,981	0	22,981
Test & Evaluation, Deputy Under Secretary of Defense	227,843	0	0	227,843	0	227,843
Department of Education	181,731	3,459	138,164	40,108	NA	NA
Department of Energy	5,675,744	1,956,610	1,342,767	2,376,367	NA	NA
Department of Health & Human Services, total	11,914,176	6,441,509	4,083,076	1,389,591	NA	NA
Administration on Aging	3,704	171	0	3,533	NA	NA
Administration for Children & Families	9,000	0	8,300	700	NA	NA
Agency for Health Care Policy & Research	65,186	0	59,000	6,186	NA	NA
Centers for Disease Control & Prevention	323,181	0	323,181	0	NA	NA
Food & Drug Administration	170,462	0	170,462	0	NA	NA
Health Care Financing Administration	54,500	0	54,500	0	NA	NA
Health Resources & Services Administration	13,013	800	10,963	1,250	NA	NA
National Institutes of Health ⁹	11,265,606	6,440,538	3,447,670	1,377,398	NA	NA
Office of the Assistant Secretary for Health	524	0	0	524	NA	NA
Office of the Secretary	9,000	0	9,000	0	NA	NA

See explanatory information, if any, and SOURCE at end of table.

**Table C-6. Preliminary Federal obligations for total research and development, by agency
and character of work: fiscal year 1996**

[Dollars in thousands]

Page 2 of 3

Agency and subdivision	Total	Research		Development		
		Basic	Applied	Total	Advanced technology	Major systems
Department of Housing & Urban Development	34,955	0	12,162	22,793	NA	NA
Department of the Interior, total	565,105	55,863	483,740	25,502	NA	NA
Bureau of Reclamation	6,031	0	4,523	1,508	NA	NA
Geological Survey ⁽¹⁾	518,504	55,460	439,069	23,975	NA	NA
Minerals Management Service	20,774	0	20,774	0	NA	NA
National Park Service ⁽¹⁾	19,777	403	19,374	0	NA	NA
Office of the Secretary	19	0	0	19	NA	NA
Department of Justice, total	80,883	8,300	18,919	53,664	NA	NA
Bureau of Prisons	4,700	0	1,900	2,800	NA	NA
Drug Enforcement Administration	1,200	0	45	1,155	NA	NA
Federal Bureau of Investigation	36,784	0	0	36,784	NA	NA
Immigration & Naturalization Service	400	0	400	0	NA	NA
Office of Justice Programs	37,799	8,300	16,574	12,925	NA	NA
Department of Labor, total	46,545	11,500	13,187	21,858	NA	NA
Bureau of Labor Statistics	13,300	11,500	1,800	0	NA	NA
Employment & Training Administration	20,810	0	3,023	17,787	NA	NA
Occupational Safety & Health Administration	3,175	0	3,175	0	NA	NA
Office of the Secretary	6,360	0	2,871	3,489	NA	NA
Pension Benefit Guaranty Corporation	635	0	53	582	NA	NA
Pension & Welfare Benefits Administration	2,265	0	2,265	0	NA	NA
Department of State	4,250	3,750	500	0	NA	NA
Department of Transportation, total	641,350	45,721	288,251	307,378	NA	NA
Coast Guard	20,037	0	5,010	15,027	NA	NA
Federal Aviation Administration	217,636	0	60,373	157,263	NA	NA
Federal Highway Administration	304,809	45,721	152,405	106,683	NA	NA
Federal Railroad Administration	30,288	0	19,913	10,375	NA	NA
Federal Transit Administration	16,009	0	5,515	10,494	NA	NA
National Highway Traffic Safety Admin	38,185	0	38,185	0	NA	NA
Office of the Secretary	2,897	0	0	2,897	NA	NA
Research & Special Programs Administration	11,489	0	6,850	4,639	NA	NA
Department of the Treasury, total	63,633	53	50,209	13,371	NA	NA
Bureau of Engraving & Printing	2,165	53	1,223	889	NA	NA
Internal Revenue Service	50,642	0	47,196	3,446	NA	NA
Office of Thrift Supervision	546	0	546	0	NA	NA
United States Customs Service	9,471	0	660	8,811	NA	NA
United States Mint	225	0	0	225	NA	NA
United States Secret Service ⁽²⁾	584	0	584	0	NA	NA
Department of Veterans Affairs	276,197	14,372	239,441	22,384	NA	NA

See explanatory information, if any, and SOURCE at end of table.

Table C-6. Preliminary Federal obligations for total research and development, by agency and character of work: fiscal year 1996

[Dollars in thousands]

Page 3 of 3

Agency and subdivision	Total	Research		Development		
		Basic	Applied	Total	Advanced technology	Major systems
Other agencies						
Advisory Comm on Intergovernmental Relations	1,402	0	1,402	0	NA	NA
Appalachian Regional Commission	900	0	900	0	NA	NA
Consumer Product Safety Commission	30	0	0	30	NA	NA
Environmental Protection Agency	457,111	65,914	286,256	104,941	NA	NA
Federal Communications Commission	2,819	0	2,819	0	NA	NA
Federal Trade Commission	981	0	981	0	NA	NA
International Development Cooperation Agency, total	246,500	2,444	224,305	19,751	NA	NA
Agency for International Development	246,500	2,444	224,305	19,751	NA	NA
Library of Congress	8,320	442	1,385	6,493	NA	NA
National Aeronautics & Space Administration	9,613,669	2,009,237	2,272,339	5,332,093	NA	NA
National Archives & Records Administration	120	0	120	0	NA	NA
National Science Foundation	2,141,712	1,967,676	174,036	0	NA	NA
Nuclear Regulatory Commission	59,184	0	59,184	0	NA	NA
Smithsonian Institution	125,400	125,400	0	0	NA	NA
Social Security Administration ¹²	8,292	0	8,292	0	NA	NA
Tennessee Valley Authority	103,352	11,790	19,340	72,222	NA	NA
United States Arms Control & Disarmament Agency	545	0	545	0	NA	NA
United States Information Agency	150	0	150	0	NA	NA
United States International Trade Commission	12,695	0	12,695	0	NA	NA

¹ The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.

² The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.

³ The Office of International Cooperation & Development became part of the Foreign Agricultural Service (FAS) in June 1994. Data reported for FAS include funds appropriated to International Cooperation & Development programs within FAS as of fiscal year 1994.

⁴ The Federal Grain Inspection Service was abolished on Oct. 20, 1994, and its functions were assumed by the Grain Inspection Packers & Stockyards Administration.

⁵ This agency's name changed from the Rural Business & Cooperative Development Service to the Rural Business Cooperative Service on Jan. 30, 1996.

⁶ The Department of the Army Civil Functions (Corps of Engineers) development activities are appropriated by the Energy & Water Development Act and therefore cannot be categorized according to the advanced technology and major systems development breakdown.

⁷ This agency's name changed to the Advanced Research Projects Agency on July 13, 1993, and it was changed back to Defense Advanced Research Projects Agency in February 1996.

⁸ Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services submission as of Vol. 45.

⁹ Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.

¹⁰ As of fiscal year 1996, data for the National Biological Service (NBS) are included with the Geological Survey's submission, since NBS's funding comes from the Geological Survey's congressional appropriation.

¹¹ The National Biological Service's (NBS) name changed from the National Biological Survey on Jan. 5, 1995. As of fiscal year 1994, NBS performs all biological research activities formerly funded by the United States Fish & Wildlife Service and the National Park Service.

¹² The United States Secret Service was formerly listed as the Office of Protective Research.

¹³ As of Mar. 31, 1995, the Social Security Administration became an independent agency; it is no longer part of the Department of Health & Human Services.

NOTES: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

Beginning with Vol. 44, Department of Defense development obligations are reported in two categories: advanced technology and major systems.

KEY: NA = Not applicable (data are not collected in this category for this agency).

SOURCE: National Science Foundation-SRS, Survey of Federal Funds for Research and Development, Fiscal Years 1995, 1996, and 1997.

BEST COPY AVAILABLE

Table C-7. Preliminary Federal obligations for total research and development, by agency and character of work: fiscal year 1997

[Dollars in thousands]

Page 1 of 3

Agency and subdivision	Total	Research		Development		
		Basic	Applied	Total	Advanced technology	Major systems
Total, all agencies	68,063,742	14,732,254	14,441,282	38,890,206	NA	NA
Departments						
Department of Agriculture, total	1,368,585	607,823	678,441	82,321	NA	NA
Agricultural Marketing Service	4,905	0	4,271	634	NA	NA
Agricultural Research Service ¹	696,617	376,173	264,715	55,729	NA	NA
Animal & Plant Health Inspection Service	20,565	0	0	20,565	NA	NA
Cooperative State Research, Education, & Extension Service ²	402,172	193,227	208,945	0	NA	NA
Economic Research Service	54,947	5,495	49,452	0	NA	NA
Foreign Agricultural Service ³	1,422	1,067	355	0	NA	NA
Forest Service	179,786	30,564	143,829	5,393	NA	NA
Grain Inspection Packers & Stockyards Admin ⁴	2,830	0	2,830	0	NA	NA
National Agricultural Statistics Service	3,941	1,297	2,644	0	NA	NA
Rural Business Cooperative Service ⁵	1,400	0	1,400	0	NA	NA
Department of Commerce, total	1,095,844	38,774	829,786	227,284	NA	NA
Bureau of the Census	7,074	307	2,564	4,203	NA	NA
Economic Development Administration	1,500	0	1,500	0	NA	NA
National Institute of Standards & Technology	541,734	38,467	327,834	175,433	NA	NA
National Oceanic & Atmospheric Administration	540,791	0	493,143	47,648	NA	NA
Nat'l Telecommunications & Information Admin	4,745	0	4,745	0	NA	NA
Department of Defense, total	32,964,353	1,145,751	2,715,785	29,102,817	NA	NA
Department of the Army, total	4,373,321	204,793	467,291	3,701,237	NA	NA
Department of the Army, Civil Functions ⁶	36,175	1,950	19,755	14,470	NA	NA
Department of the Army, Military Functions	4,337,146	202,843	447,536	3,686,767	455,598	3,231,169
Department of the Navy	7,581,571	386,754	466,971	6,727,846	449,135	6,278,711
Department of the Air Force	13,359,782	233,999	638,576	12,487,207	486,948	12,000,259
Defense Agencies, total	7,376,622	320,205	1,142,947	5,913,470	2,695,040	3,218,430
Ballistic Missile Defense Organization	2,567,090	9,316	86,377	2,471,397	559,851	1,911,546
Defense Advanced Research Projects Agency ⁷	2,185,715	73,948	722,751	1,389,016	1,305,279	83,737
Defense Information Systems Agency	66,605	0	1,849	64,756	0	64,756
Defense Logistics Agency	38,589	0	7,785	30,804	24,993	5,811
Defense Mapping Agency	95,168	0	0	95,168	0	95,168
Defense Nuclear Agency	224,419	0	196,954	27,465	27,465	0
Joint Staff	38,776	0	0	38,776	38,776	0
Special Operations Command	125,613	0	15,048	110,565	46,437	64,128
Washington Headquarters Services ⁸	2,034,647	236,941	112,183	1,685,523	692,239	993,284
Operational Test & Evaluation, Director	22,011	0	0	22,011	0	22,011
Test & Evaluation, Deputy Under Secretary of Defense	251,046	0	0	251,046	0	251,046
Department of Education	188,131	2,937	139,773	45,421	NA	NA
Department of Energy	5,895,206	2,034,582	1,540,558	2,320,066	NA	NA
Department of Health & Human Services, total	12,184,873	6,558,265	4,209,864	1,416,744	NA	NA
Administration on Aging	3,191	0	0	3,191	NA	NA
Administration for Children & Families	19,000	0	17,522	1,478	NA	NA
Agency for Health Care Policy & Research	84,000	0	77,000	7,000	NA	NA
Centers for Disease Control & Prevention	361,181	0	361,181	0	NA	NA
Food & Drug Administration	170,462	0	170,462	0	NA	NA
Health Care Financing Administration	55,310	0	55,310	0	NA	NA
Health Resources & Services Administration	11,668	800	10,868	0	NA	NA
National Institutes of Health ⁹	11,470,511	6,557,465	3,508,521	1,404,525	NA	NA
Office of the Assistant Secretary for Health	550	0	0	550	NA	NA
Office of the Secretary	9,000	0	9,000	0	NA	NA

See explanatory information, if any, and SOURCE at end of table

Table C-7. Preliminary Federal obligations for total research and development, by agency and character of work: fiscal year 1997

[Dollars in thousands]

Page 2 of 3

Agency and subdivision	Total	Research		Development		
		Basic	Applied	Total	Advanced technology	Major systems
Department of Housing & Urban Development	46 464	0	16 690	28 774	NA	NA
Department of the Interior, total	573 457	56 891	489 214	27 352	NA	NA
Bureau of Reclamation	7 641	0	5 730	1 911	NA	NA
Geological Survey ¹⁰	524 400	56 341	442 618	25 441	NA	NA
Minerals Management Service	20 579	0	20 579	0	NA	NA
National Park Service ¹¹	20 837	550	20 287	0	NA	NA
Department of Justice, total	93 665	12 400	22 811	58 454	NA	NA
Bureau of Prisons	4 700	0	1 900	2 800	NA	NA
Drug Enforcement Administration	500	0	50	450	NA	NA
Federal Bureau of Investigation	34 829	0	0	34 829	NA	NA
Immigration & Naturalization Service	400	0	400	0	NA	NA
Office of Justice Programs	53 236	12 400	20 461	20 375	NA	NA
Department of Labor, total	42 937	11 300	12 470	19 167	NA	NA
Bureau of Labor Statistics	12 600	11 300	1 300	0	NA	NA
Employment & Training Administration	17 317	0	2 375	14 942	NA	NA
Occupational Safety & Health Administration	3 495	0	3 495	0	NA	NA
Office of the Secretary	6 542	0	2 918	3 624	NA	NA
Pension Benefit Guaranty Corporation	655	0	54	601	NA	NA
Pension & Welfare Benefits Administration	2 328	0	2 328	0	NA	NA
Department of State	4 250	3 750	500	0	NA	NA
Department of Transportation, total	705 673	54 313	339 998	311 362	NA	NA
Coast Guard	19 775	0	4 944	14 831	NA	NA
Federal Aviation Administration	223 700	0	67 570	156 130	NA	NA
Federal Highway Administration	362 085	54 313	181 043	126 729	NA	NA
Federal Railroad Administration	24 145	0	23 495	650	NA	NA
Federal Transit Administration	14 630	0	5 802	8 828	NA	NA
Maritime Administration	2 006	0	2 006	0	NA	NA
National Highway Traffic Safety Admin	45 663	0	45 663	0	NA	NA
Office of the Secretary	2 808	0	0	2 808	NA	NA
Research & Special Programs Administration	10 861	0	9 475	1 386	NA	NA
Department of the Treasury, total	64 355	29	53 872	10 454	NA	NA
Bureau of Engraving & Printing	2 001	29	1 144	828	NA	NA
Internal Revenue Service	54 328	0	50 830	3 498	NA	NA
Office of Thrift Supervision	583	0	583	0	NA	NA
United States Customs Service	6 403	0	700	5 703	NA	NA
United States Mint	425	0	0	425	NA	NA
United States Secret Service ¹²	615	0	615	0	NA	NA
Department of Veterans Affairs	258 000	13 654	222 520	21 826	NA	NA

See explanatory information, if any, and SOURCE at end of table

Table C-7. Preliminary Federal obligations for total research and development, by agency and character of work: fiscal year 1997

[Dollars in thousands]

Page 3 of 3

Agency and subdivision	Total	Research		Development		
		Basic	Applied	Total	Advanced technology	Major systems
Other agencies						
Appalachian Regional Commission	900	0	900	0	NA	NA
Environmental Protection Agency	580 971	75 085	335 468	170 418	NA	NA
Federal Communications Commission	2 749	0	2 749	0	NA	NA
Federal Trade Commission	1 034	0	1 034	0	NA	NA
International Development Cooperation Agency, total	186 827	4 870	167 870	14 087	NA	NA
Agency for International Development	186 827	4 870	167 870	14 087	NA	NA
Library of Congress	9 116	458	1 428	7 230	NA	NA
National Aeronautics & Space Administration	9 204 151	1 884 953	2 355 587	4 963 611	NA	NA
National Archives & Records Administration	120	0	120	0	NA	NA
National Science Foundation	2 278 922	2 089 619	189 303	0	NA	NA
Nuclear Regulatory Commission	59 014	0	59 014	0	NA	NA
Smithsonian Institution	136 800	136 800	0	0	NA	NA
Social Security Administration ¹³	27 698	0	27 698	0	NA	NA
Tennessee Valley Authority	77 000	0	14 182	62 818	NA	NA
United States Arms Control & Disarmament Agency	1 000	0	1 000	0	NA	NA
United States Information Agency	136	0	136	0	NA	NA
United States International Trade Commission	12 511	0	12 511	0	NA	NA

¹ The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.

² The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.

³ The Office of International Cooperation & Development became part of the Foreign Agricultural Service (FAS) in June 1994. Data reported for FAS include funds appropriated to International Cooperation & Development programs within FAS as of fiscal year 1994.

⁴ The Federal Grain Inspection Service was abolished on Oct. 20, 1994, and its functions were assumed by the Grain Inspection Packers & Stockyards Administration.

⁵ This agency's name changed from the Rural Business & Cooperative Development Service to the Rural Business Cooperative Service on Jan. 30, 1996.

⁶ The Department of the Army, Civil functions (Corps of Engineers) development activities are appropriated by the Energy & Water Development Act and therefore cannot be categorized according to the advanced technology and major systems development breakdown.

⁷ This agency's name changed to the Advanced Research Projects Agency on July 13, 1993, and it was changed back to Defense Advanced Research Projects Agency in February 1996.

⁸ Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services' submission as of Vol. 45.

⁹ Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.

¹⁰ As of fiscal year 1996, data for the National Biological Service (NBS) are included with the Geological Survey's submission, since NBS's funding comes from the Geological Survey's congressional appropriation.

¹¹ The National Biological Service's (NBS) name changed from the National Biological Survey on Jan. 5, 1995. As of fiscal year 1994, NBS performs all biological research activities formerly funded by the United States Fish & Wildlife Service and the National Park Service.

¹² The United States Secret Service was formerly listed as the Office of Protective Research.

¹³ As of Mar. 31, 1995, the Social Security Administration became an independent agency; it is no longer part of the Department of Health & Human Services.

NOTES: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

Beginning with Vol. 44, Department of Defense development obligations are reported in two categories: advanced technology and major systems.

KEY: NA = Not applicable (data are not collected in this category for this agency)

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development, Fiscal Years 1995, 1996, and 1997.

**Table C-8. Federal obligations for total research and development, by agency and performer:
fiscal year 1995**

[Dollars in millions]

Page 1 of 4

Agency and subdivision	Total	Intra- mural ¹	Extramural								Foreign
			United States and territories								
			Indus- trial firms	FFRDCs admin by in- dustrial firms	Univer- sities and colleges	FFRDCs admin by univs and colleges	Other non- profit insti- tutions	FFRDCs admin by nonprofit insti- tutions	State and local govts		
Total, all agencies	68,754.9	17,342.7	30,468.7	1,203.9	11,933.0	3,574.3	2,806.5	831.4	316.5	277.8	
Departments											
Department of Agriculture, total	1,379.8	915.3	10.7	0	434.5	0	12.3	0	2.4	4.6	
Agricultural Marketing Service	4.8	4.3	0	0	5	0	0	0	0	0	
Agricultural Research Service ²	683.3	648.9	0	0	26.3	0	3.9	0	3	3.9	
Animal & Plant Hlth Inspection Svc	19.1	17.5	0	0	1.6	0	0	0	0	0	
Cooperative State Research Education, & Extension Service ³	417.7	19.0	10.5	0	379.8	0	7.0	0	1.5	0	
Economic Research Service	53.8	50.6	0	0	3.2	0	0	0	0	0	
Foreign Agricultural Service ⁴	5	3	0	0	1	0	0	0	0	0	
Forest Service	193.5	167.7	2	0	23.0	0	1.4	0	6	7	
Grain Inspection Packers & Stockyards Administration ⁵	1.5	1.5	0	0	0	0	0	0	0	0	
Natl Agricultural Statistics Svc	4.0	3.8	0	0	1	0	0	0	0	0	
Rural Business-Cooperative Service ⁶	1.6	1.6	0	0	0	0	0	0	0	0	
Department of Commerce, total	1,136.0	664.8	376.4	0	85.3	1	3.7	0	4.4	1.2	
Bureau of the Census	4.9	4.9	0	0	0	0	0	0	0	0	
Economic Development Admin	5	5	0	0	0	0	1	0	0	0	
National Inst of Standards & Tech	563.3	211.0	336.1	0	11.8	1	3.0	0	0	1.2	
Natl Oceanic & Atmospheric Admin	560.9	442.5	39.9	0	73.5	0	7	0	4.4	0	
National Telecommunications & Information Administration	6.4	6.4	0	0	0	0	0	0	0	0	
Office of the Secretary			0	0	0	0	0	0	0	0	
Department of Defense, research ⁷	4,333.9	1,563.6	1,509.4	19.2	1,062.8	70.4	77.7	15.9	0	14.8	
Department of Defense, development ⁸	30,028.1	7,343.3	21,042.4	74.3	529.6	191.1	303.2	452.3	1.3	90.7	
Department of Defense, advanced technology development	4,578.2	1,504.7	2,379.9	38.5	192.0	108.1	257.7	61.9	8	34.6	
Department of Defense, major system development	25,449.9	5,838.6	18,662.5	35.7	337.6	83.0	45.6	390.3	4	56.1	
Department of the Army, research & development (R&D)	5,419.3	2,409.8	2,668.9	26.9	237.5	26.3	12.4	23.4	0	14.1	
Department of the Navy, R&D	8,963.3	3,355.6	4,937.8	1.1	446.2	26.8	111.4	70.5	0	14.0	
Department of the Air Force, R&D	11,797.9	1,113.8	10,164.1	14.5	190.3	42.4	11.7	259.1	4	1.6	
Defense Agencies, R&D, total	7,928.9	1,825.2	4,749.2	51.0	718.5	166.0	245.2	97.3	8	75.8	
Ballistic Missile Defense Organization, R&D	2,395.0	440.9	1,747.4	20.0	75.7	59.7	1.2	19.2	0	30.9	
Defense Advanced Research Projects Agency, R&D ⁹	2,503.8	386.3	1,490.6	4.7	294.4	61.3	237.6	23.0	8	4.9	
Defense Information Systems Agency, R&D	79.0	18.5	46.5	0	8	8	0	12.4	0	0	
Defense Logistics Agency, R&D	33.6	16.8	12.7	0	4.1	0	0	0	0	0	
Defense Mapping Agency, R&D	78.3	4.7	71.2	0	1.1	5	0	8	0	0	
Defense Nuclear Agency, R&D	243.9	55.9	159.6	5.3	4.6	14.2	2.7	5	0	1.1	
Joint Staff, R&D	4.2	3.7	5	0	0	0	0	0	0	0	
Special Operations Command, R&D	264.6	73.8	151.5	3.8	0	0	0	0	0	35.5	
Washington Headquarters Services, R&D ¹⁰	2,326.7	824.8	1,069.3	17.1	337.6	29.5	3.8	41.3	0	3.4	
Operational Test & Evaluation, R&D: Director	21.7	7.9	0	0	0	2	4	13.2	0	0	
Test & Evaluation, R&D, Deputy Under Secretary of Defense	231.0	194.6	31.8	0	0	0	0	4.6	0	0	

See explanatory information, if any, and SOURCE at end of table

Table C-8. Federal obligations for total research and development, by agency and performer:
fiscal year 1995

[Dollars in millions]

Page 2 of 4

Agency and subdivision	Total	Intra- mural ¹	Extramural							
			United States and territories							Foreign
			Indus- trial firms	FFRDCs admin by in- dustrial firms	Univer- sities and colleges	FFRDCs admin by univs and colleges	Other non- profit insti- tutions	FFRDCs admin by nonprofit insti- tutions	State and local govts	
Department of Education	177.6	9.2	7.5	0	108.5	0	46.0	0	6.5	0
Department of Energy	6,145.0	490.7	1,650.0	935.6	594.3	2,057.3	71.4	302.9	18.2	24.5
Dept of Health & Human Svcs, total	11,455.2	2,484.9	598.8	142.2	6,394.5	24.5	1,606.9	19.4	141.2	42.8
Administration on Aging	20.7	9	2.0	0	4.7	0	9.9	0	3.2	0
Admin for Children & Families	12.0	2	0	0	10.6	0	1.2	0	0	0
Agcy for Hlth Care Policy & Rsch	135.3	26.6	30.2	0	50.1	0	27.5	0	0	8
Centers for Disease Control & Prevention	317.4	275.5	1.1	0	31.7	2	8.6	1	2	0
Food & Drug Administration	170.5	153.9	0	0	9.9	0	6.7	0	0	0
Health Care Financing Admin	74.5	1	27.3	0	5.8	0	19.2	0	21.9	3
Health Resources & Services Admin	13.2	2.8	0	0	7.8	0	2.5	0	0	0
National Institutes of Health ¹	10,681.8	2,010.5	535.1	142.2	6,271.1	24.2	1,526.8	19.3	110.8	41.7
Office of the Assistant Secretary for Health	3	-	0	0	0	0	3	0	0	0
Office of the Secretary	9.1	3.8	1.4	0	1.5	0	2.2	0	3	0
Social Security Administration ²	20.4	10.6	1.7	0	1.2	0	2.0	0	4.8	0
Dept of Housing & Urban Dvlpmnt	41.8	25.7	5.8	0	1.6	0	8.7	0	0	0
Department of the Interior, total	561.6	491.9	16.4	1	50.0	6	6	0	1.0	1.0
Bureau of Reclamation	8.0	7.1	0	0	6	0	3	0	0	0
Geological Survey ³	362.0	326.3	11.0	0	24.8	0	0	0	0	0
Minerals Management Service	20.0	5.9	3.7	1	8.3	5	0	0	4	1.0
National Biological Service ^{4, 11}	151.8	143.5	1	0	7.4	0	2	0	6	0
National Park Service ¹⁴	19.7	9.1	1.6	0	8.8	1	-	0	0	0
Office of the Secretary	-	-	0	0	0	0	0	0	0	0
Department of Justice, total	57.9	17.4	1.2	0	7.2	0	20.2	0	11.9	0
Bureau of Prisons	5.7	2.6	0	0	0	0	0	0	3.1	0
Drug Enforcement Administration	4	1	4	0	0	0	0	0	0	0
Federal Bureau of Investigation	10.9	10.9	0	0	0	0	0	0	0	0
Immigration & Naturalization Svc.	4	-	0	0	0	0	4	0	0	0
Office of Justice Programs	40.5	3.8	8	0	7.2	0	19.8	0	8.8	0

See explanatory information, if any, and SOURCE at end of table.

Table C-8. Federal obligations for total research and development, by agency and performer:
fiscal year 1995

[Dollars in millions]

Page 3 of 4

Agency and subdivision	Total	Intra- mural ¹	Extramural							Foreign
			United States and territories							
			Indus- trial firms	FFRDCs admin by indus- trial firms	Univer- sities and colleges	FFRDCs admin by univs and colleges	Other non- profit insti- tutions	FFRDCs admin by nonprofit insti- tutions	State and local govts	
Department of Labor, total	53.7	11.6	11.1	0	10.1	0	3.5	0	17.3	0
Bureau of Labor Statistics	13.1	3.8	0	0	9.3	0	0	0	0	0
Employment & Training Admin	25.6	2.7	3.1	0	6	0	2.1	0	17.1	0
Occupational Safety & Hlth Admin	4.4	1.3	3.1	0	0	0	0	0	0	0
Office of the Secretary	6.3	2.8	2.3	0	2	0	8	0	3	0
Pension Benefit Guaranty Corp	8	2	6	0	0	0	0	0	0	0
Pension & Welfare Benefits Admin	3.6	8	2.1	0	0	0	7	0	0	0
Department of State	5.0	4	1	0	0	0	4.5	0	0	0
Department of Transportation, total	727.0	235.5	268.6	1.6	48.0	27.9	36.8	10.3	98.0	0.3
Coast Guard	19.7	14.0	5.2	0	5	0	0	0	0	0
Federal Aviation Administration	268.4	122.4	121.9	1.2	20.4	11.9	0	10.3	0	2
Federal Highway Administration	312.5	52.0	119.2	4	13.6	15.9	22.7	0	88.7	0
Federal Railroad Administration	26.5	15.6	4.3	0	1.3	0	5.3	0	0	0
Federal Transit Administration	28.7	4.2	2.0	0	5.7	0	7.5	0	9.3	0
Maritime Administration	2.5	7	1.0	0	5	0	2	0	0	0
National Highway Traffic Safety Administration	39.7	20.9	11.8	0	6.0	0	1.0	0	0	0
Office of the Secretary	3.9	2.9	1.0	0	0	0	0	0	0	0
Research & Special Programs Admin	5.0	2.8	2.2	0	0	0	0	0	0	0
Department of the Treasury, total	61.4	35.2	7.5	0	0	1.5	0	17.2	0	0
Bureau of Engraving & Printing	1.8	1.6	0	0	0	2	0	0	0	0
Internal Revenue Service	49.7	31.2	0	0	0	1.3	0	17.2	0	0
Office of Thrift Supervision	6	6	0	0	0	0	0	0	0	0
United States Customs Service	8.5	1.5	6.9	0	0	0	0	0	0	0
United States Mint	3	3	0	0	0	0	0	0	0	0
United States Secret Service ²	5	2	3	0	0	0	0	0	0	0
Department of Veterans Affairs	237.9	235.4	0	0	2.5	0	0	0	0	0
Other agencies										
Advisory Commission on Intergovernmental Relations	1.4	1.4	0	0	0	0	0	0	0	0
Appalachian Regional Commission	9	1	3	0	5	0	0	0	0	0
Consumer Product Safety Commission	4	4	0	0	0	0	0	0	0	0
Environmental Protection Agency	551.5	224.6	150.1	0	125.7	0	41.2	0	6.4	3.5
Federal Communications Commission	2.3	2.3	0	0	0	0	0	0	0	0
Federal Trade Commission	6	6	0	0	0	0	0	0	0	0
Internat'l Dvlpmt Cooperation Agency, total	302.5	61.9	12.2	0	30.2	0	161.3	0	0	37.0
Agency for Internat'l Dvlpmt	302.5	61.9	12.2	0	30.2	0	161.3	0	0	37.0
Library of Congress	10.2	10.2	0	0	0	0	0	0	0	0
National Aeronautics & Space Admin	9,014.9	2,253.7	4,686.6	0	708.1	1,043.9	259.1	3.8	2.9	46.8
National Archives & Records Admin	1	1	0	0	0	0	0	0	0	0
National Science Foundation	2,149.3	17.3	108.6	0	1,733.5	140.9	138.2	6	4.8	5.3
Nuclear Regulatory Commission	88.2	15.5	4.1	30.9	6.1	16.1	1.2	9.1	0	5.3

See explanatory information, if any, and SOURCE at end of table.

**Table C-8. Federal obligations for total research and development, by agency and performer:
fiscal year 1995**

[Dollars in millions]

Page 4 of 4

Page 4 of 11

Agency and subdivision	Total	Intra- mural ¹	Extramural							
			United States and territories							Foreign
			Indus- trial firms	FFRDCs admin by in- dustrial firms	Univer- sities and colleges	FFRDCs admin by univs and colleges	Other non- profit insti- tutions	FFRDCs admin by nonprofit insti- tutions	State and local govts	
Smithsonian Institution	124.0	124.0	0	0	0	0	0	0	0	0
Tennessee Valley Authority	93.1	93.1	0	0	0	0	0	0	0	0
US Arms Control & Disarmament Agency	1.1	3	0.9	0	0	0	0	0	0	0
United States Information Agency	3	3	0	0	0	0	0	0	0	0
US Internat'l Trade Commission	12.2	12.2	0	0	0	0	0	0	0	0

¹ Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

² The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.

³ The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.

⁴ The Office of International Cooperation & Development became part of the Foreign Agricultural Service (FAS) in June 1994. Data reported for FAS include funds appropriated to International Cooperation & Development programs within FAS as of fiscal year 1994.

⁵ The Federal Grain Inspection Service was abolished on Oct. 20, 1994, and its functions were assumed by the Grain Inspection Packers & Stockyards Administration.

⁶ This agency's name changed from the Rural Business & Cooperative Development Service to the Rural Business-Cooperative Service on Jan. 30, 1996.

⁷ Beginning with Vol. 40, Department of Defense (DoD) research is reported separately from DoD development. DoD states that more than 90 percent of its development reported for "universities and colleges" is performed at off-campus, university-affiliated laboratories that are not involved in teaching.

⁸ Not all Department of Defense (DoD) agencies with development obligations are able to categorize these obligations according to the advanced technology and major systems development breakdown. Therefore, total DoD development does not equal the sum of total DoD advanced technology development and total DoD major systems development.

⁹ This agency's name changed to the Advanced Research Projects Agency on July 13, 1993, and it was changed back to Defense Advanced Research Projects Agency in February 1996.

¹⁰ Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services submission as of Vol. 45.

¹¹ Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.

¹² As of Mar. 31, 1995, the Social Security Administration became an independent agency; it is no longer part of the Department of Health & Human Services.

¹³ As of fiscal year 1996, data for the National Biological Service (NBS) are included with the Geological Survey's submission, since NBS's funding comes from the Geological Survey's congressional appropriation.

¹⁴ The National Biological Service's (NBS) name changed from the National Biological Survey on Jan. 5, 1995. As of fiscal year 1994, NBS performs all biological research activities formerly funded by the United States Fish & Wildlife Service and the National Park Service.

¹⁵ The United States Secret Service was formerly listed as the Office of Protective Research.

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

Beginning with Vol. 44, Department of Defense development obligations are reported in two categories: advanced technology and major systems.

KEY: - = Amount less than 50 thousand dollars
FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation SRS, Survey of Federal Funds for Research and Development, Fiscal Years 1995, 1996, and 1997.

**Table C-9. Preliminary Federal obligations for total research and development, by agency and performer:
fiscal year 1996**

[Dollars in millions]

Page 1 of 4

Agency and subdivision	Total	Intra- mural ¹	Extramural							Foreign
			United States and territories							
			Indus- trial firms	FFRDCs admin by indus- trial firms	Univer- sities and colleges	FFRDCs admin by univs and colleges	Other non- profit insti- tutions	FFRDCs admin by nonprofit insti- tutions	State and local govts	
Total, all agencies	69,076.9	16,897.0	31,267.6	1,231.3	12,251.2	3,302.2	2,866.6	721.2	273.8	266.0
Departments:										
Department of Agriculture, total	1,352.3	897.7	10.4	0	423.1	0	14.8	0	2.3	3.8
Agricultural Marketing Service	4.9	4.9	0	0	0	0	0	0	0	0
Agricultural Research Service ²	680.9	643.4	0	0	27.7	0	6.4	0	3	3.1
Animal & Plant Hlth Inspection Svc	19.7	18.2	0	0	1.5	0	0	0	0	0
Cooperative State Research, Education, & Extension Service ³	406.2	18.8	10.3	0	368.7	0	7.0	0	1.5	0
Economic Research Service	53.1	51.2	0	0	1.9	0	0	0	0	0
Foreign Agricultural Service ⁴	1.4	1.1	0	0	4	0	0	0	0	0
Forest Service	178.0	152.2	2	0	23.0	0	1.4	0	6	7
Grain Inspection Packers & Stockyards Administration ⁵	2.8	2.8	0	0	0	0	0	0	0	0
Nat'l Agricultural Statistics Svc	3.9	3.8	0	0	1	0	0	0	0	0
Rural Business-Cooperative Service ⁶	1.4	1.4	0	0	0	0	0	0	0	0
Department of Commerce, total	1,172.6	688.1	397.6	0	76.9	2	5.3	0	3.1	1.5
Bureau of the Census	7.1	7.1	0	0	0	0	0	0	0	0
Economic Development Admin	5	-	2	0	0	0	3	0	0	0
National Inst of Standards & Tech	631.7	219.9	395.5	0	11.2	1	3.6	0	0	1.4
Nat'l Oceanic & Atmospheric Admin	528.8	456.7	1.9	0	65.8	1	1.4	0	3.1	0
National Telecommunications & Information Administration	4.5	4.5	0	0	0	0	0	0	0	0
Office of the Secretary	-	-	0	0	0	0	0	0	0	-
Department of Defense, research ⁷	3,948.4	1,402.0	1,334.6	11.4	1,026.4	57.9	81.3	18.6	0	16.3
Department of Defense, development ⁸	30,335.9	7,253.2	21,699.3	64.6	353.2	165.3	285.9	430.7	0	83.7
Department of Defense, advanced technology development	4,828.7	1,510.7	2,695.6	20.4	151.0	100.2	242.7	76.2	0	32.0
Department of Defense, major system development	25,507.1	5,742.5	19,003.7	44.2	202.2	65.1	43.2	354.5	0	51.7
Department of the Army, research & development (R&D)	4,833.3	2,251.9	2,373.4	9.8	119.1	32.3	17.2	21.6	0	8.0
Department of the Navy, R&D	8,804.0	3,193.6	4,957.2	3.0	435.2	18.9	110.7	68.5	0	16.9
Department of the Air Force, R&D	12,096.2	1,037.0	10,593.0	15.3	183.7	8.9	16.1	240.0	0	2.3
Defense Agencies, R&D, total	8,299.9	1,965.3	5,086.8	47.9	641.6	162.9	223.2	99.5	0	72.7
Ballistic Missile Defense Organization, R&D	2,910.8	537.7	2,178.4	18.8	57.9	57.4	1	18.8	0	41.8
Defense Advanced Research Projects Agency, R&D ⁹	2,255.0	341.7	1,348.4	4.8	260.7	56.6	215.0	26.1	0	1.7
Defense Information Systems Agency, R&D	56.3	15.7	31.4	0	0	3	3.8	5.2	0	0
Defense Logistics Agency, R&D	34.9	24.6	8.5	0	1.8	0	0	0	0	0
Defense Mapping Agency, R&D	58.9	3.6	52.7	0	1.0	3	0	1.3	0	0
Defense Nuclear Agency, R&D	194.8	43.6	130.5	3.4	8	11.1	2.6	4	0	2.4
Joint Staff, R&D	12.5	5.3	7.3	0	0	0	0	0	0	0
Special Operations Command, R&D	156.9	43.1	90.2	2.3	0	0	0	0	0	21.4
Washington Headquarters Services, R&D ¹⁰	2,619.8	950.0	1,239.5	18.7	319.4	37.3	1.7	47.7	0	5.5
Operational Test & Evaluation, R&D, Director	23.0	8.7	7	0	0	2	0	13.4	0	0
Test & Evaluation, R&D, Deputy Under Secretary of Defense	227.8	198.8	22.8	0	0	0	0	6.3	0	0

See explanatory information, if any, and SOURCE at end of table.

**Table C-9. Preliminary Federal obligations for total research and development, by agency and performer:
fiscal year 1996**

[Dollars in millions]

Page 2 of 4

Page 2 of 3

Agency and subdivision	Total	Intra- mural ¹	Extramural								Foreign
			United States and territories							State and local govts	
			Indus- trial firms	FFRDCs admin by in- dustrial firms	Univer- sities and colleges	FFRDCs admin by univs and colleges	Other non- profit insti- tutions	FFRDCs admin by nonprofit insti- tutions			
Department of Education	181.7	8.9	10.5	0	112.6	0	44.7	0	5.0	0	
Department of Energy	5,675.7	416.2	1,485.7	905.2	557.1	2,001.8	55.0	224.0	12.9	18.1	
Dept of Health & Human Svcs, total	11,914.2	2,239.6	547.2	224.0	6,995.2	18.5	1,694.2	21.0	130.4	44.3	
Administration on Aging	3.7	9	0	0	0	0	2.9	0	0	0	
Admin for Children & Families	9.0	2	0	0	7.9	0	9	0	0	0	
Agcy for Hlth Care Policy & Rsch	65.2	17.1	13.5	0	22.1	0	12.5	0	0	0	
Centers for Disease Control & Prevention	323.2	281.3	1.1	0	31.7	2	8.6	1	2	0	
Food & Drug Administration	170.5	153.9	0	0	9.9	0	6.7	0	0	0	
Health Care Financing Admin	54.5	23.9	0	0	5.2	0	13.9	0	11.1	3	
Health Resources & Services Admin	13.0	2.4	0	0	8.1	0	2.5	0	0	0	
National Institutes of Health ¹	11,265.6	1,780.2	506.7	224.0	6,908.3	18.2	1,644.2	20.9	119.1	44.0	
Office of the Assistant Secretary for Health	5	0	0	0	0	0	5	0	0	0	
Office of the Secretary	9.0	3.5	2.0	0	2.0	0	1.5	0	0	0	
Dept of Housing & Urban Dvlpmnt	35.0	19.0	10.6	0	1.4	0	3.9	0	0	0	
Department of the Interior, total	565.1	492.8	15.2	0	55.0	4	3	0	2	1.3	
Bureau of Reclamation	6.0	5.6	0	0	3	0	2	0	0	0	
Geological Survey ^{1,2}	518.5	470.4	10.9	0	37.3	0	0	0	0	0	
Minerals Management Service	20.8	7.7	2.7	0	8.5	4	0	0	2	1.3	
National Park Service ^{1,3}	19.8	9.1	1.6	0	8.9	0	1	0	0	0	
Office of the Secretary	0	0	0	0	0	0	0	0	0	0	
Department of Justice, total	80.9	42.2	1.2	4	6.3	0	26.7	0	4.1	0	
Bureau of Prisons	4.7	2.4	0	0	0	0	0	0	2.3	0	
Drug Enforcement Administration	1.2	1	0	4	0	0	0	0	0	0	
Federal Bureau of Investigation	36.8	36.8	0	0	0	0	0	0	0	0	
Immigration & Naturalization Svc	4	0	0	0	0	0	4	0	0	0	
Office of Justice Programs	37.8	2.8	5	0	6.3	0	26.4	0	1.8	0	

See explanatory information, if any, and SOURCE at end of table.

**Table C-9. Preliminary Federal obligations for total research and development, by agency and performer:
fiscal year 1996**

[Dollars in millions]

Page 3 of 4

Agency and subdivision	Total	Intra- mural ¹	Extramural							Foreign
			United States and territories							
			Indus- trial firms	FFRDCs admin by in- dustrial firms	Univer- sities and colleges	FFRDCs admin by univs and colleges	Other non- profit insti- tutions	FFRDCs admin by non- profit insti- tutions	State and local govts	
Department of Labor, total	46.5	14.1	10.6	0	5.4	0	5.8	0	10.7	0
Bureau of Labor Statistics	13.3	8.2	0	0	5.1	0	0	0	0	0
Employment & Training Admin	20.8	1.6	4.5	0	3	0	3.8	0	10.7	0
Occupational Safety & Hlth Admin	3.2	9	2.2	0	0	0	0	0	0	0
Office of the Secretary	6.4	2.4	1.9	0	1	0	2.0	0	0	0
Pension Benefit Guaranty Corp	6	2	4	0	0	0	0	0	0	0
Pension & Welfare Benefits Admin	2.3	8	1.5	0	0	0	0	0	0	0
Department of State	4.3	4	1	0			3.7	0	0	0
Department of Transportation, total	641.4	191.1	231.9	2.4	75.8	8.3	34.3	7.1	90.2	0.2
Coast Guard	20.0	14.2	5.4	0	4	0	0	0	0	0
Federal Aviation Administration	217.6	87.8	83.4	9	30.0	8.3	0	7.1	0	2
Federal Highway Administration	304.8	47.6	118.7	1.5	30.2	0	24.8	0	81.9	0
Federal Railroad Administration	30.3	12.5	4.4	0	1.9	0	5.4	0	6.1	
Federal Transit Administration	16.0	2.6	7	0	7.3	0	3.1	0	2.3	0
National Highway Traffic Safety Administration	38.2	19.2	12.0	0	6.0	0	1.0	0	0	0
Office of the Secretary	2.9	2.9	0	0	0	0	0	0	0	0
Research & Special Programs Admin	11.5	4.2	7.3	0	0	0	0	0	0	0
Department of the Treasury, total	63.6	40.3	8.1	0	6	1	0	14.5	0	0
Bureau of Engraving & Printing	2.2	2.0	0	0	0	1	0	0	0	0
Internal Revenue Service	50.6	35.6	0	0	6	0	0	14.5	0	0
Office of Thrift Supervision	5	5	0	0	0	0	0	0	0	0
United States Customs Service	9.5	1.9	7.6	0	0	0	0	0	0	0
United States Mint	2		2	0	0	0	0	0	0	0
United States Secret Service ¹⁴	6	3	3	0	0	0	0	0	0	0
Department of Veterans Affairs	276.2	274.3	0	0	1.9	0	0	0	0	0
Other agencies										
Advisory Commission on Intergovernmental Relations	1.4	1.4	0	0	0	0	0	0	0	0
Appalachian Regional Commission	9	1	1	0	7	0	0	0	0	0
Consumer Product Safety Commission			0	0	0	0	0	0	0	0
Environmental Protection Agency	457.1	186.2	124.4	0	104.2	0	34.1	0	5.3	2.9
Federal Communications Commission	2.8	2.8	0	0	0	0	0	0	0	0
Federal Trade Commission	1.0	1.0	0	0	0	0	0	0	0	0
Internat'l Dvlpmt Cooperation Agency, total	246.5	36.6	9.7	0	18.9	0	143.3	0	0	38.0
Agency for Internat'l Dvlpmt	246.5	36.6	9.7	0	18.9	0	143.3	0	0	38.0
Library of Congress	8.3	8.3	0	0	0	0	0	0	0	0
National Aeronautics & Space Admin	9,613.7	2,403.4	5,258.4	0	708.1	903.3	286.9	3.8	2.9	46.8
National Archives & Records Admin	1	1	0	0	0	0	0	0	0	0
National Science Foundation	2,141.7	20.1	106.5		1,725.6	135.6	143.4	6	4.7	5.3
Nuclear Regulatory Commission	59.2	13.9	3.6	23.3	2.2	10.8	6	1.1	0	3.8

See explanatory information, if any, and SOURCE at end of table.

**Table C-9. Preliminary Federal obligations for total research and development, by agency and performer:
fiscal year 1996**

[Dollars in millions]

Page 4 of 4

Page 4 of 7

Agency and subdivision	Total	Intra- mural ¹	Extramural								Foreign
			United States and territories								
			Indus- trial firms	FFRDCs admin by in- dustrial firms	Univer- sities and colleges	FFRDCs admin by univs and colleges	Other non- profit insti- tutions	FFRDCs admin by nonprofit insti- tutions	State and local govts		
Smithsonian Institution	125.4	125.4	0	0	0	0	0	0	0	0	
Social Security Administration ¹⁵	8.3	1.7	1.6	0	0.7	0	2.4	0	1.8	0	
Tennessee Valley Authority	103.4	103.4	0	0	0	0	0	0	0	0	
US Arms Control & Disarmament Agency	5	1	5	0	0	0	0	0	0	0	
United States Information Agency	2	2	0	0	0	0	0	0	0	0	
US Internat'l Trade Commission	12.7	12.7	0	0	0	0	0	0	0	0	

¹ Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

² The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.

³ The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.

⁴ The Office of International Cooperation & Development became part of the Foreign Agricultural Service (FAS) in June 1994. Data reported for FAS include funds appropriated to International Cooperation & Development programs within FAS as of fiscal year 1994.

⁵ The Federal Grain Inspection Service was abolished on Oct. 20, 1994, and its functions were assumed by the Grain Inspection Packers & Stockyards Administration.

⁶ This agency's name changed from the Rural Business & Cooperative Development Service to the Rural Business Cooperative Service on Jan. 30, 1996.

⁷ Beginning with Vol. 40, Department of Defense (DoD) research is reported separately from DoD development. DoD states that more than 90 percent of its development reported for "universities and colleges" is performed at off-campus, university-affiliated laboratories that are not involved in teaching.

⁸ Not all Department of Defense (DoD) agencies with development obligations are able to categorize these obligations according to the advanced technology and major systems development breakdown. Therefore, total DoD development does not equal the sum of total DoD advanced technology development and total DoD major systems development.

⁹ This agency's name changed to the Advanced Research Projects Agency on July 13, 1993, and it was changed back to Defense Advanced Research Projects Agency in February 1996.

¹⁰ Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services' submission as of Vol. 45.

¹¹ Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.

¹² As of fiscal year 1996, data for the National Biological Service (NBS) are included with the Geological Survey's submission, since NBS's funding comes from the Geological Survey's congressional appropriation.

¹³ The National Biological Service's (NBS) name changed from the National Biological Survey on Jan. 5, 1995. As of fiscal year 1994, NBS performs all biological research activities formerly funded by the United States Fish & Wildlife Service and the National Park Service.

¹⁴ The United States Secret Service was formerly listed as the Office of Protective Research.

¹⁵ As of Mar. 31, 1995, the Social Security Administration became an independent agency; it is no longer part of the Department of Health & Human Services.

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

Beginning with Vol. 44, Department of Defense development obligations are reported in two categories: advanced technology and major systems.

KEY: = Amount less than 50 thousand dollars

FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development, Fiscal Years 1995, 1996, and 1997.

Table C-10. Preliminary Federal obligations for total research and development, by agency and performer: fiscal year 1997

[Dollars in millions]

Page 1 of 4

Agency and subdivision	Total	Intra- mural ¹	Extramural							
			United States and territories							Foreign
			Indus- trial firms	FFRDCs admin by indus- trial firms	Univer- sities and colleges	FFRDCs admin by univs and colleges	Other non- profit insti- tutions	FFRDCs admin by nonprofit insti- tutions	State and local govts	
Total, all agencies	68,063.7	16,403.7	30,712.6	1,339.5	12,362.2	3,230.6	2,883.6	644.1	281.6	205.9
Departments										
Department of Agriculture, total	1,368.6	922.3	12.3	0	420.6	0	7.3	0	2.3	3.8
Agricultural Marketing Service	4.9	4.9	0	0	0	0	0	0	0	0
Agricultural Research Service ²	696.6	662.8	0	0	27.7	0	2.7	0	3	3.1
Animal & Plant Hlth Inspection Svc	20.6	19.1	0	0	1.5	0	0	0	0	0
Cooperative State Research Education, & Extension Service ³	402.2	19.3	12.1	0	366.1	0	3.2	0	1.5	0
Economic Research Service	54.9	53.1	0	0	1.9	0	0	0	0	0
Foreign Agricultural Service ⁴	1.4	1.1	0	0	4	0	0	0	0	0
Forest Service	179.8	154.0	2	0	23.0	0	1.4	0	6	7
Grain Inspection Packers & Stockyards Administration ⁵	2.8	2.8	0	0	0	0	0	0	0	0
Natl Agricultural Statistics Svc	3.9	3.8	0	0	1	0	0	0	0	0
Rural Business Cooperative Service ⁶	1.4	1.4	0	0	0	0	0	0	0	0
Department of Commerce, total	1,095.8	712.3	302.8	0	70.8	2	5.6	0	3.1	1.1
Bureau of the Census	7.1	7.1	0	0	0	0	0	0	0	0
Economic Development Admin	1.5	6	0	0	0	0	9	0	0	0
National Inst of Standards & Tech	541.7	225.6	300.1	0	11.8	1	3.0	0	0	1.1
Natl Oceanic & Atmospheric Admin	540.8	474.9	2.0	0	59.0	1	1.7	0	3.1	0
National Telecommunications & Information Administration	4.7	4.7	0	0	0	0	0	0	0	0
Department of Defense, research ⁷	3,861.5	1,366.0	1,344.6	9.1	968.1	68.8	77.7	14.0	0	13.4
Department of Defense, development ⁸	29,102.8	6,552.8	21,280.1	145.6	319.7	134.2	273.6	348.9	0	48.0
Department of Defense, advanced technology development	4,101.2	1,159.4	2,361.4	22.5	147.3	75.1	238.7	64.9	0	31.9
Department of Defense, major system development	25,001.6	5,393.4	18,918.7	123.2	172.4	59.1	34.9	283.9	0	16.0
Department of the Army, research & development (R&D)	4,373.3	2,276.8	1,919.3	3.3	123.3	15.4	15.0	15.5	0	4.7
Department of the Navy, R&D	7,581.6	2,850.1	4,113.0	3.3	411.8	18.5	108.2	65.2	0	11.5
Department of the Air Force, R&D	13,359.8	1,013.5	11,922.1	73.0	175.7	8.3	14.8	150.4	0	2.0
Defense Agencies, R&D, total	7,376.6	1,550.7	4,645.7	75.0	577.0	160.8	213.3	111.1	0	43.1
Ballistic Missile Defense Organization, R&D	2,567.1	456.9	1,965.1	12.3	49.7	47.7	0	18.6	0	16.7
Defense Advanced Research Projects Agency, R&D ⁹	2,185.7	310.7	1,331.2	4.7	253.4	54.7	209.4	20.9	0	7
Defense Information Systems Agency, R&D	66.6	17.6	43.1	0	0	0	9	5.0	0	0
Defense Logistics Agency, R&D	38.6	28.7	5.1	0	4.8	0	0	0	0	0
Defense Mapping Agency, R&D	95.2	9.6	83.9	0	9	0	0	8	0	0
Defense Nuclear Agency, R&D	224.4	47.9	159.5	3.2	7	10.3	1.5	3	0	1.2
Joint Staff, R&D	38.8	35.3	3.5	0	0	0	0	0	0	0
Special Operations Command, R&D	125.6	33.7	72.6	1.9	0	0	0	0	0	17.5
Washington Headquarters Services, R&D ¹⁰	2,034.6	610.4	981.7	53.0	267.4	48.1	1.4	65.6	0	7.0
Operational Test & Evaluation, R&D Director	22.0	7.7	7	0	0	0	0	13.6	0	0
Test & Evaluation, R&D, Deputy Under Secretary of Defense	251.0	220.0	23.9	0	0	0	0	7.2	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-10. Preliminary Federal obligations for total research and development, by agency and performer: fiscal year 1997

[Dollars in millions]

Page 2 of 4

Agency and subdivision	Total	Intra-mural ¹	Extramural							
			United States and territories							Foreign
			Indus-trial firms	FFRDCs admin by in-dustrial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other non-profit insti-tutions	FFRDCs admin by nonprofit insti-tutions	State and local govts	
Department of Education	188.1	9.3	11.8	0	113.0	0	48.0	0	6.1	0
Department of Energy	5,895.2	507.3	1,515.9	932.7	574.2	2,035.1	69.0	232.8	13.7	14.4
Dept of Health & Human Svcs, total	12,184.9	2,362.1	556.8	227.0	7,087.8	21.3	1,733.8	21.2	129.1	45.7
Administration on Aging	3.2	3	0	0	0	0	2.9	0	0	0
Admin for Children & Families	19.0	4	0	0	16.7	0	1.9	0	0	0
Agcy for Hlth Care Policy & Rsch	84.0	25.7	16.3	0	26.8	0	15.2	0	0	0
Centers for Disease Control & Prevention	361.2	319.3	1.1	0	31.7	2	8.6	1	2	0
Food & Drug Administration	170.5	153.9	0	0	9.9	0	6.7	0	0	0
Health Care Financing Admin	55.3	1	29.7	0	6.6	0	10.2	0	8.5	3
Health Resources & Services Admin	11.7	2.1	0	0	7.1	0	2.5	0	0	0
National Institutes of Health ¹	11,470.5	1,856.8	507.7	227.0	6,987.0	21.1	1,683.9	21.1	120.4	45.4
Office of the Assistant Secretary for Health	6	1	0	0	0	0	5	0	0	0
Office of the Secretary	9.0	3.5	2.0	0	2.0	0	1.5	0	0	0
Dept of Housing & Urban Dvlpmnt	45.5	25.8	11.5	0	1.0	0	7.2	0	0	0
Department of the Interior, total	573.5	508.3	15.6	-	47.8	4	2	0	2	1.0
Bureau of Reclamation	7.6	7.6	0	0	1	0	0	0	0	0
Geological Survey ¹²	524.4	483.4	11.3	0	29.8	0	0	0	0	0
Minerals Management Service	20.6	7.8	2.7	-	8.5	4	-	0	2	1.0
National Park Service ¹³	20.8	9.6	1.6	0	9.5	0	1	0	0	0
Department of Justice, total	93.7	43.8	5	4	7.1	0	30.0	0	12.0	0
Bureau of Prisons	4.7	2.4	0	0	0	0	0	0	2.3	0
Drug Enforcement Administration	5	1	0	4	0	0	0	0	0	0
Federal Bureau of Investigation	34.8	34.8	0	0	0	0	0	0	0	0
Immigration & Naturalization Svc	4	0	0	0	0	0	4	0	0	0
Office of Justice Programs	53.2	6.4	5	0	7.1	0	29.6	0	9.7	0

See explanatory information, if any, and SOURCE at end of table

Table C-10. Preliminary Federal obligations for total research and development, by agency and performer:
fiscal year 1997

[Dollars in millions]

Page 3 of 4

Agency and subdivision	Total	Intra- mural ¹	Extramural								Foreign
			United States and territories								
			Indus- trial firms	FFRDCs admin by in- dustrial firms	Univer- sities and colleges	FFRDCs admin by univs and colleges	Other non- profit insti- tutions	FFRDCs admin by nonprofit insti- tutions	State and local govts		
Department of Labor, total	42.9	20.9	9.4	0	0.2	0	3.5	0	9.0	0	
Bureau of Labor Statistics	12.6	12.6	0	0	0	0	0	0	0	0	
Employment & Training Admin	17.3	1.5	3.8	0	2	0	2.9	0	9.0	0	
Occupational Safety & Hlth Admin	3.5	1.0	2.5	0	0	0	0	0	0	0	
Office of the Secretary	6.5	4.8	1.2	0	0	0	6	0	0	0	
Pension Benefit Guaranty Corp	7	2	4	0	0	0	0	0	0	0	
Pension & Welfare Benefits Admin	2.3	8	1.5	0	0	0	0	0	0	0	
Department of State	4.3	4	1	0	-	-	3.7	0	0	0	
Department of Transportation, total	705.7	239.4	264.1	1.5	67.0	8.6	26.6	7.1	91.4	0.1	
Coast Guard	19.8	14.0	5.4	0	3	0	0	0	0	0	
Federal Aviation Administration	223.7	95.0	77.2	9	35.0	8.4	0	7.1	0	1	
Federal Highway Administration	362.1	81.7	155.4	6	15.1	2	18.7	0	90.5	0	
Federal Railroad Administration	24.1	15.1	2.5	0	1.5	0	5.1	0	0	0	
Federal Transit Administration	14.6	2.6	5	0	8.9	0	1.7	0	9	0	
Maritime Administration	2.0	5	1.2	0	2	0	2	0	0	0	
National Highway Traffic Safety Administration	45.7	23.7	15.0	0	6.0	0	1.0	0	0	0	
Office of the Secretary	2.8	2.8	0	0	0	0	0	0	0	0	
Research & Special Programs Admin	10.9	3.9	7.0	0	0	0	0	0	0	0	
Department of the Treasury, total	64.4	44.6	5.2	0	-	-	0	14.5	0	0	
Bureau of Engraving & Printing	2.0	2.0	0	0	0	-	0	0	0	0	
Internal Revenue Service	54.3	39.8	0	0	0	0	0	14.5	0	0	
Office of Thrift Supervision	6	6	0	0	0	0	0	0	0	0	
United States Customs Service	6.4	1.9	4.5	0	0	0	0	0	0	0	
United States Mint	4	1	3	0	0	0	0	0	0	0	
United States Secret Service ⁴	6	3	3	0	0	0	0	0	0	0	
Department of Veterans Affairs	258.0	256.0	0	0	2.0	0	0	0	0	0	
Other agencies:											
Appalachian Regional Commission	9	1	1	0	7	0	0	0	0	0	
Environmental Protection Agency	581.0	236.6	158.1	0	132.4	0	43.4	0	6.7	3.7	
Federal Communications Commission	2.7	2.7	0	0	0	0	0	0	0	0	
Federal Trade Commission	1.0	1.0	0	0	0	0	0	0	0	0	
Internat'l Dvlpmt Cooperation Agency, total	186.8	21.2	9.7	0	13.0	0	122.7	0	0	20.1	
Agency for Internat'l Dvlpmt	186.8	21.2	9.7	0	13.0	0	122.7	0	0	20.1	
Library of Congress	9.1	9.1	0	0	0	0	0	0	0	0	
National Aeronautics & Space Admin	9,204.2	2,301.0	5,062.7	0	708.1	803.9	274.7	3.8	3.1	46.8	
National Archives & Records Admin	1	1	0	0	0	0	0	0	0	0	
National Science Foundation	2,278.9	18.9	124.6	0	1,823.6	145.4	155.6	5	4.9	5.4	
Nuclear Regulatory Commission	59.0	13.8	2.0	23.3	3.2	12.7	4	1.4	0	2.3	

See explanatory information, if any, and SOURCE at end of table

Table C-10. Preliminary Federal obligations for total research and development, by agency and performer: fiscal year 1997

[Dollars in millions]

Page 4 of 4

Page 4 of 4

Agency and subdivision	Total	Intra-mural *	Extramural								Foreign
			United States and territories								
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other non-profit institutions	FFRDCs admin by nonprofit institutions	State and local govts		
Smithsonian Institution	136.8	136.8	0	0	0	0	0	0	0	0	
Social Security Administration ¹⁵	27.7	1.1	23.9	0	2.0	0	0.7	0	0	0	
Tennessee Valley Authority	77.0	77.0	0	0	0	0	0	0	0	0	
US Arms Control & Disarmament Agcy	1.0	2	8	0	0	0	0	0	0	0	
United States Information Agency	1	1	0	0	0	0	0	0	0	0	
US Internatl Trade Commission	12.5	12.5	0	0	0	0	0	0	0	0	

Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance

1. The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994
2. The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture
3. The Office of International Cooperation & Development became part of the Foreign Agricultural Service (FAS) in June 1994. Data reported for FAS include funds appropriated to international cooperation & development programs within FAS as of fiscal year 1994
4. The Federal Grain Inspection Service was abolished on Oct. 20, 1994, and its functions were assumed by the Grain Inspection Packers & Stockyards Administration
5. This agency's name changed from the Rural Business & Cooperative Development Service to the Rural Business-Cooperative Service on Jan. 30, 1996
6. Beginning with Vol. 40, Department of Defense (DoD) research is reported separately from DoD development. DoD states that more than 90 percent of its development reported for "universities and colleges" is performed at off-campus, university-affiliated laboratories that are not involved in teaching
7. Not all Department of Defense (DoD) agencies with development obligations are able to categorize these obligations according to the advanced technology and major systems development breakdown. Therefore, total DoD development does not equal the sum of total DoD advanced technology development and total DoD major systems development
8. This agency's name changed to the Advanced Research Projects Agency on July 13, 1993, and it was changed back to Defense Advanced Research Projects Agency in February 1996
9. Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services' submission as of Vol. 45
10. Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series
11. As of fiscal year 1996, data for the National Biological Service (NBS) are included with the Geological Survey's submission, since NBS's funding comes from the Geological Survey's congressional appropriation
12. The National Biological Service's (NBS) name changed from the National Biological Survey on Jan. 5, 1995. As of fiscal year 1994, NBS performs all biological research activities formerly funded by the United States Fish & Wildlife Service and the National Park Service
13. The United States Secret Service was formerly listed as the Office of Protective Research
14. As of Mar. 31, 1995, the Social Security Administration became an independent agency; it is no longer part of the Department of Health & Human Services

NOTES: Because of rounding, detail may not add to totals

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A

Beginning with Vol. 44, Department of Defense development obligations are reported in two categories: advanced technology and major systems

KEY: = Amount less than 50 thousand dollars
FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development, Fiscal Years 1995, 1996, and 1997

Table C-11. Federal obligations for research and development and for R&D plant to federally funded research and development centers, by agency: fiscal year 1995

[Dollars in thousands]

Page 1 of 1

Agency and subdivision	Research and development				R&D plant			
	Total	Admin by industrial firms	Admin by univs & colleges	Admin by other nonprofit insts	Total	Admin by industrial firms	Admin by univs & colleges	Admin by other nonprofit insts
Total, all agencies	5,609,641	1,203,899	3,574,349	831,393	701,654	95,143	543,888	62,623
Department of Commerce, total	129	0	129	0	0	0	0	0
National Inst of Standards & Tech	129	0	129	0	0	0	0	0
Department of Defense, total	823,106	93,468	261,520	468,118	315	0	115	200
Department of the Army	76,603	26,941	26,258	23,404	0	0	0	0
Department of the Navy	98,403	1,088	26,785	70,530	0	0	0	0
Department of the Air Force	315,905	14,450	42,375	259,080	0	0	0	0
Defense Agencies, total	314,197	50,989	165,952	97,256	315	0	115	200
Ballistic Missile Defense Organization	98,937	20,041	59,667	19,229	0	0	0	0
Defense Advanced Research Projects Agency ¹	89,089	4,733	61,308	23,048	0	0	0	0
Defense Information Systems Agency	13,207	0	828	12,379	0	0	0	0
Defense Logistics Agency	0	0	0	0	200	0	0	200
Defense Mapping Agency	1,318	0	500	818	0	0	0	0
Defense Nuclear Agency	19,978	5,332	14,186	460	0	0	0	0
Special Operations Command	3,767	3,767	0	0	0	0	0	0
Washington Headquarters Svcs ²	87,901	17,116	29,463	41,322	115	0	115	0
Operational Test & Evaluation, Director	13,370	0	150	13,220	0	0	0	0
Test & Evaluation, Deputy Under Secretary of Defense	4,628	0	0	4,628	0	0	0	0
Department of Energy	3,295,890	935,637	2,057,324	302,929	652,357	95,143	494,791	62,423
Dept of Health & Human Svcs, total	186,057	142,164	24,478	19,415	0	0	0	0
Centers for Disease Control & Prevention	304	0	237	67	0	0	0	0
National Institutes of Health ³	185,753	142,164	24,241	19,348	0	0	0	0
Department of the Interior, total	695	85	610	0	0	0	0	0
Minerals Management Service	615	85	530	0	0	0	0	0
National Park Service ⁴	80	0	80	0	0	0	0	0
Department of State	23	0	23	0	0	0	0	0
Department of Transportation, total	39,785	1,619	27,875	10,291	0	0	0	0
Federal Aviation Administration	23,436	1,219	11,926	10,291	0	0	0	0
Federal Highway Administration	16,349	400	15,949	0	0	0	0	0
Department of the Treasury, total	18,696	0	1,496	17,200	0	0	0	0
Bureau of Engraving & Printing	184	0	184	0	0	0	0	0
Internal Revenue Service	18,512	0	1,312	17,200	0	0	0	0
Other agencies:								
National Aeronautics & Space Admin	1,047,684	0	1,043,913	3,771	0	0	0	0
National Science Foundation	141,476	10	140,883	583	48,982	0	48,982	0
Nuclear Regulatory Commission	56,100	30,916	-16,098	9,086	0	0	0	0

¹ This agency's name changed to the Advanced Research Projects Agency on July 13, 1993, and it was changed back to Defense Advanced Research Projects Agency in February 1996.

² Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services submission as of Vol. 45.

³ Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.

⁴ The National Biological Service's (NBS) name changed from the National Biological Survey on Jan. 5, 1995. As of fiscal year 1994, NBS performs all biological research activities formerly funded by the United States Fish & Wildlife Service and the National Park Service.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

SOURCE: National Science Foundation SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997.

Table C-12. Preliminary Federal obligations for research and development and for R&D plant to federally funded research and development centers, by agency: fiscal year 1996

(Dollars in thousands)

Page 1 of 1

Agency and subdivision	Research and development				R&D plant			
	Total	Admin by industrial firms	Admin by univs & colleges	Admin by other nonprofit insts	Total	Admin by industrial firms	Admin by univs & colleges	Admin by other nonprofit insts
Total, all agencies	5,254,639	1,231,251	3,302,165	721,223	682,973	77,101	536,179	69,693
Department of Commerce, total	183	0	183	0	0	0	0	0
National Inst of Standards & Tech	133	0	133	0	0	0	0	0
Natl Oceanic & Atmospheric Admin	50	0	50	0	0	0	0	0
Department of Defense, total	748,555	76,050	223,219	449,286	300	0	100	200
Department of the Army	63,724	9,783	32,327	21,614	0	0	0	0
Department of the Navy	90,375	3,045	18,855	68,475	0	0	0	0
Department of the Air Force	264,249	15,295	8,910	240,044	0	0	0	0
Defense Agencies, total	310,370	47,927	162,927	99,516	300	0	100	200
Ballistic Missile Defense Organization	94,976	18,768	57,369	18,839	0	0	0	0
Defense Advanced Research Projects Agency ¹	87,460	4,763	56,593	26,104	0	0	0	0
Defense Information Systems Agency	5,445	0	289	5,156	0	0	0	0
Defense Logistics Agency	0	0	0	0	200	0	0	200
Defense Mapping Agency	1,593	0	250	1,343	0	0	0	0
Defense Nuclear Agency	14,961	3,439	11,118	404	0	0	0	0
Special Operations Command	2,265	2,265	0	0	0	0	0	0
Washington Headquarters Svcs ²	103,670	18,692	37,308	47,670	100	0	100	0
Operational Test & Evaluation, Director	13,560	0	200	13,360	0	0	0	0
Test & Evaluation, Deputy Under Secretary of Defense	6,277	0	0	6,277	0	0	0	0
Department of Energy	3,130,904	905,159	2,001,756	223,989	675,244	77,101	528,650	69,493
Dept of Health & Human Svcs, total	263,411	223,966	18,471	20,974	0	0	0	0
Centers for Disease Control & Prevention	304	0	237	67	0	0	0	0
National Institutes of Health ³	263,107	223,966	18,234	20,907	0	0	0	0
Department of the Interior, total	370	20	350	0	0	0	0	0
Minerals Management Service	370	20	350	0	0	0	0	0
Department of Justice, total	355	355	0	0	0	0	0	0
Drug Enforcement Administration	355	355	0	0	0	0	0	0
Department of State	41	0	41	0	0	0	0	0
Department of Transportation, total	17,804	2,422	8,295	7,087	0	0	0	0
Federal Aviation Administration	16,280	898	8,295	7,087	0	0	0	0
Federal Highway Administration	1,524	1,524	0	0	0	0	0	0
Department of the Treasury, total	14,616	0	116	14,500	0	0	0	0
Bureau of Engraving & Printing	116	0	116	0	0	0	0	0
Internal Revenue Service	14,500	0	0	14,500	0	0	0	0
Other agencies								
National Aeronautics & Space Admin	907,081	0	903,310	3,771	0	0	0	0
National Science Foundation	136,188	8	135,621	559	7,429	0	7,429	0
Nuclear Regulatory Commission	35,131	23,271	10,803	1,057	0	0	0	0

¹ This agency's name changed to the Advanced Research Projects Agency on July 13, 1993, and it was changed back to Defense Advanced Research Projects Agency in February 1996.

² Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services submission as of Vol. 45.

³ Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997.

Table C-13. Preliminary Federal obligations for research and development and for R&D plant to federally funded research and development centers, by agency: fiscal year 1997

[Dollars in thousands]

Page 1 of 1

Agency and subdivision	Research and development				R&D plant			
	Total	Admin by industrial firms	Admin by univs & colleges	Admin by other nonprofit insts	Total	Admin by industrial firms	Admin by univs & colleges	Admin by other nonprofit insts
Total, all agencies	5,214,163	1,339,507	3,230,552	644,104	783,565	83,305	642,065	58,195
Department of Commerce, total	188	0	188	0	0	0	0	0
National Inst of Standards & Tech	138	0	138	0	0	0	0	0
Natl Oceanic & Atmospheric Admin	50	0	50	0	0	0	0	0
Department of Defense, total	720,583	154,677	202,996	362,910	300	0	100	200
Department of the Army	34,217	3,313	15,402	15,502	0	0	0	0
Department of the Navy	86,983	3,342	18,489	65,152	0	0	0	0
Department of the Air Force	231,721	73,031	8,331	150,359	0	0	0	0
Defense Agencies, total	346,863	74,991	160,774	111,098	300	0	100	200
Ballistic Missile Defense Organization	78,575	12,287	47,670	18,618	0	0	0	0
Defense Advanced Research Projects Agency ¹	80,285	4,674	54,672	20,939	0	0	0	0
Defense Information Systems Agency	4,972	0	0	4,972	0	0	0	0
Defense Logistics Agency	0	0	0	0	200	0	0	200
Defense Mapping Agency	750	0	0	750	0	0	0	0
Defense Nuclear Agency	13,713	3,167	10,286	260	0	0	0	0
Special Operations Command	1,853	1,853	0	0	0	0	0	0
Washington Headquarters Svcs ²	166,715	53,010	48,146	65,559	100	0	100	0
Operational Test & Evaluation Director	13,624	0	0	13,624	0	0	0	0
Test & Evaluation, Deputy Under Secretary of Defense	7,175	0	0	7,175	0	0	0	0
Department of Energy	3,200,536	932,715	2,035,067	232,754	773,005	83,305	631,705	57,995
Dept of Health & Human Svcs, total	269,480	226,976	21,316	21,188	0	0	0	0
Centers for Disease Control & Prevention	304	0	237	67	0	0	0	0
National Institutes of Health ³	269,176	226,976	21,079	21,121	0	0	0	0
Department of the Interior, total	370	20	350	0	0	0	0	0
Minerals Management Service	370	20	350	0	0	0	0	0
Department of Justice, total	400	400	0	0	0	0	0	0
Drug Enforcement Administration	400	400	0	0	0	0	0	0
Department of State	41	0	41	0	0	0	0	0
Department of Transportation, total	17,117	1,459	8,583	7,075	0	0	0	0
Federal Aviation Administration	16,411	903	8,433	7,075	0	0	0	0
Federal Highway Administration	706	556	150	0	0	0	0	0
Department of the Treasury, total	14,549	0	49	14,500	0	0	0	0
Bureau of Engraving & Printing	49	0	49	0	0	0	0	0
Internal Revenue Service	14,500	0	0	14,500	0	0	0	0
Other agencies:								
National Aeronautics & Space Admin	807,665	0	803,894	3,771	0	0	0	0
National Science Foundation	145,909	10	145,402	497	10,260	0	10,260	0
Nuclear Regulatory Commission	37,325	23,250	12,666	1,409	0	0	0	0

¹ This agency's name changed to the Advanced Research Projects Agency on July 13, 1993, and it was changed back to Defense Advanced Research Projects Agency in February 1996.

² Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services' submission as of Vol. 45.

³ Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

SOURCE: National Science Foundation SRS, Survey of Federal Funds for Research and Development, Fiscal Years 1995, 1996, and 1997.

Table C-14. Federal obligations for research and development to federally funded research and development centers (FFRDCs), by individual FFRDC and agency: fiscal year 1995

[Dollars in thousands]

Page 1 of 2

Federally funded research and development centers	Total	Dept of Commerce	Dept of Defense	Dept of Energy	Dept of Health & Human Services	National Aeronautics & Space Admin	National Science Foundation	Other
Total, all FFRDCs	5,609,641	129	823,106	3,295,890	186,057	1,047,684	141,476	115,299
FFRDCs administered by industrial firms	1,203,899	0	93,468	935,637	142,164	0	10	32,620
Energy Technology Engineering Center	11,783	0	48	11,526	0	0	0	209
Idaho National Engineering Lab	77,745	0	1,578	63,753	0	0	0	12,414
NCI Frederick Cancer Rsch & Dvlpmnt Ctr	141,707	0	72	0	141,635	0	0	0
Oak Ridge National Laboratory	288,332	0	9,086	267,663	529	0	10	11,044
Sandia National Laboratories	654,472	0	82,659	562,860	0	0	0	8,953
Savannah River Technology Center	29,860	0	25	29,835	0	0	0	0
FFRDCs administered by universities & colleges ¹	3,574,349	129	261,520	2,057,324	24,478	1,043,913	140,883	46,102
Ames Laboratory	29,815	0	30	25,930	0	0	0	3,855
Argonne National Laboratory	252,879	4	1,841	246,877	0	240	0	3,917
Brookhaven National Laboratory	216,094	50	2,696	199,269	2,806	353	1,448	9,472
Ernest Orlando Lawrence Berkeley National Laboratory	170,870	75	879	156,754	12,343	703	116	0
Fermi National Accelerator Lab	170,917	0	0	170,917	0	0	0	0
Jet Propulsion Laboratory	1,056,916	0	25,778	0	0	1,031,078	60	0
Lawrence Livermore National Lab	500,622	0	32,857	461,840	3,192	1,016	2	1,715
Lincoln Laboratory	158,648	0	150,206	0	0	343	0	8,099
Los Alamos National Laboratory	540,637	0	24,781	489,485	5,537	812	1,162	18,860
National Astronomy & Ionosphere Ctr	7,669	0	0	0	0	0	7,669	0
National Center for Atmospheric Rsch	79,483	0	462	0	0	7,449	71,572	0
National Optical Astronomy Observatories ²	29,099	0	0	0	0	0	29,099	0
National Radio Astronomy Observatory	29,960	0	0	0	363	0	29,597	0
Oak Ridge Institute for Science & Ed	16,747	0	25	14,330	237	1,919	52	184
Princeton Plasma Physics Laboratory	115,284	0	0	115,178	0	0	106	0
Software Engineering Institute	21,965	0	21,965	0	0	0	0	0
Stanford Linear Accelerator Center	117,713	0	0	117,713	0	0	0	0
Thomas Jefferson National Accelerator Facility ³	59,031	0	0	59,031	0	0	0	0

See explanatory information, if any, and SOURCE at end of table

Table C-14. Federal obligations for research and development to federally funded research and development centers (FFRDCs), by individual FFRDC and agency: fiscal year 1995

[Dollars in thousands]

Page 2 of 2

Federally funded research and development centers	Total	Dept of Commerce	Dept of Defense	Dept of Energy	Dept of Health & Human Services	National Aeronautics & Space Admin	National Science Foundation	Other
FFRDCs administered by nonprofit institutions ¹	831,393	0	468,118	302,929	19,415	3,771	583	36,577
Aerospace Federally Funded Research & Development Center	137,495	0	136,552	0	0	738	205	0
Arroyo Center ²	2,621	0	2,621	0	0	0	0	0
C3I Federally Funded Research & Development Center ³	192,993	0	190,330	0	0	2,549	114	0
Center for Advanced Aviation System Development ⁴	15,961	0	7,073	0	0	0	0	8,888
Center for Naval Analyses	44,143	0	44,056	0	0	0	87	0
Center for Nuclear Waste Regulatory Analyses	5,795	0	0	0	0	0	0	5,795
Inhalation Toxicology Resch Institute	7,417	0	0	6,648	769	0	0	0
Institute for Defense Analyses Studies & Analyses FFRDC	56,215	0	56,038	0	0	0	177	0
Logistics Management Institute ⁷	2,271	0	1,871	0	0	200	0	200
National Defense Research Institute ⁸	14,326	0	2,633	0	11,558	135	0	0
National Renewable Energy Laboratory ⁸	102,278	0	0	102,278	0	0	0	0
Pacific Northwest National Laboratory	208,529	0	2,944	194,003	7,088	0	0	4,494
Project Air Force ⁸	24,149	0	24,000	0	0	149	0	0
Tax Systems Modernization Institute	17,200	0	0	0	0	0	0	17,200

¹ Includes university consortia.

² Since February 1984 this center has included three former FFRDCs: Cerro Tololo Inter-American Observatory, Kitt Peak National Observatory and the National Solar Observatory (formerly Sacramento Peak Observatory).

³ In May 1996 the name was changed from Continuous Electron Beam Accelerator Facility.

⁴ That is, other than universities and colleges.

⁵ The following portions of the RAND Corp. are FFRDCs: National Defense Research Institute (formerly Defense Office of the Joint Chiefs of Staff), Project Air Force, the Arroyo Center, and the Critical Technologies Institute. All other agency support to RAND is reported under "other nonprofit institutions excluding FFRDCs."

⁶ Only the C3I Federally Funded Research & Development Center and the Center for Advanced Aviation System Development parts of the MITRE Corp. are FFRDCs. All other agency support to MITRE is reported under "other nonprofit institutions excluding FFRDCs."

⁷ Logistics Management Institute moved from Bethesda, MD, to McLean, VA, in May 1994.

⁸ In September 1991 the name was changed from Solar Energy Research Institute.

NOTES: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

The Department of the Army decertified the Institute for Advanced Technology (University of Texas), Austin, TX as an FFRDC in November 1993.

The Department of Energy decertified Bettis Atomic Power Laboratory, Hanford Engineering Development Laboratory, and Knolls Atomic Power Laboratory as FFRDCs in October/November 1992. The Department of Energy removed from the Master Government List of FFRDCs the Energy Technology Engineering Center in November 1995, and the Inhalation Toxicology Research Institute in May 1996.

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development, Fiscal Years 1995, 1996, and 1997.

Table C-15. Federal obligations for R&D plant to federally funded research and development centers (FFRDCs), by individual FFRDC and agency: fiscal year 1995

[Dollars in thousands]

Page 1 of 1

Federally funded research and development centers	Total	Dept of Commerce	Dept of Defense	Dept of Energy	Dept of Health & Human Services	National Aeronautics & Space Admin	National Science Foundation	Other
Total, all FFRDCs	701,654	0	315	652,357	0	0	48,982	0
FFRDCs administered by industrial firms	95,143	0	0	95,143	0	0	0	0
Energy Technology Engineering Center	681	0	0	681	0	0	0	0
Idaho National Engineering Lab	1,192	0	0	1,192	0	0	0	0
Oak Ridge National Laboratory	27,067	0	0	27,067	0	0	0	0
Sandia National Laboratories	66,013	0	0	66,013	0	0	0	0
Savannah River Technology Center	190	0	0	190	0	0	0	0
FFRDCs administered by universities & colleges ¹	543,886	0	115	494,791	0	0	48,982	0
Ames Laboratory	2,647	0	0	2,647	0	0	0	0
Argonne National Laboratory	88,581	0	0	88,581	0	0	0	0
Brookhaven National Laboratory	109,621	0	15	109,606	0	0	0	0
Ernest Orlando Lawrence Berkeley National Laboratory	54,818	0	0	54,818	0	0	0	0
Fermi National Accelerator Lab	80,226	0	0	80,226	0	0	0	0
Lawrence Livermore National Lab	38,883	0	100	38,783	0	0	0	0
Los Alamos National Laboratory	52,726	0	0	52,726	0	0	0	0
National Center for Atmospheric Rsch	7,982	0	0	0	0	0	7,982	0
National Optical Astronomy Observatories ²	41,000	0	0	0	0	0	41,000	0
Oak Ridge Institute for Science & Ed	1,854	0	0	1,854	0	0	0	0
Princeton Plasma Physics Laboratory	2,900	0	0	2,900	0	0	0	0
Stanford Linear Accelerator Center	51,105	0	0	51,105	0	0	0	0
Thomas Jefferson National Accelerator Facility ³	11,545	0	0	11,545	0	0	0	0
FFRDCs administered by nonprofit institutions ⁴	62,623	0	200	62,423	0	0	0	0
Inhalation Toxicology Rsch Institute	287	0	0	287	0	0	0	0
Institute for Defense Analyses Studies & Analyses FFRDC	200	0	200	0	0	0	0	0
National Renewable Energy Laboratory ⁵	7,133	0	0	7,133	0	0	0	0
Pacific Northwest National Laboratory	55,003	0	0	55,003	0	0	0	0

¹ Includes university consortia

² Since February 1984 this center has included three former FFRDCs: Cerro Tololo Inter-American Observatory, Kitt Peak National Observatory and the National Solar Observatory (formerly Sacramento Peak Observatory).

³ In May 1996 the name was changed from Continuous Electron Beam Accelerator Facility.

⁴ That is, other than universities and colleges.

⁵ In September 1991 the name was changed from Solar Energy Research Institute.

NOTES: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

The Department of the Army decertified the Institute for Advanced Technology (University of Texas), Austin, TX as an FFRDC in November 1993.

The Department of Energy decertified Bettis Atomic Power Laboratory, Hanford Engineering Development Laboratory, and Knolls Atomic Power Laboratory as FFRDCs in October/November 1992. The Department of Energy removed from the Master Government List of FFRDCs: the Energy Technology Engineering Center in November 1995, and the Inhalation Toxicology Research Institute in May 1996.

SOURCE: National Science Foundation SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997.

Table C-16. Federal obligations for research, by agency and performer: fiscal year 1995

[Dollars in thousands]

Page 1 of 3

Agency and subdivision	Total	Intra-mural ¹	Extramural							
			United States and territories							Foreign
			Indus-trial firms	FFRDCs admin by in-dustrial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other non-profit insti-tutions	FFRDCs admin by non-profit insti-tutions	State and local govts	
Total, all agencies	28,573,434	7,787,847	4,727,929	817,994	10,371,580	2,235,646	2,056,107	210,130	221,388	144,813
Departments:										
Department of Agriculture, total	1,299,552	839,448	10,653	0	430,853	0	11,942	0	2,332	4,324
Agricultural Marketing Service	4,180	3,699	0	0	481	0	0	0	0	0
Agricultural Research Service ²	628,608	596,975	0	0	24,198	0	3,578	0	260	3,597
Cooperative State Research, Education, & Extension Service ³	417,712	19,034	10,473	0	379,762	0	6,965	0	1,478	0
Economic Research Service	53,827	50,644	0	0	3,183	0	0	0	0	0
Foreign Agricultural Service ⁴	457	343	0	0	114	0	0	0	0	0
Forest Service	187,704	161,869	180	0	22,965	0	1,369	0	594	727
Grain Inspection Packers & Stockyards Administration ⁵	1,484	1,484	0	0	0	0	0	0	0	0
Natl Agricultural Statistics Svc	4,019	3,844	0	0	145	0	30	0	0	0
Rural Business-Cooperative Svc ⁶	1,561	1,556	0	0	5	0	0	0	0	0
Department of Commerce, total	892,318	592,908	209,231	0	82,475	129	2,509	0	4,388	678
Bureau of the Census	2,930	2,930	0	0	0	0	0	0	0	0
Economic Development Admin	521	10	461	0	0	0	50	0	0	0
National Inst of Standards & Tech	372,091	188,967	169,047	0	11,457	129	1,843	0	0	648
Natl Oceanic & Atmospheric Admin	510,362	394,617	39,723	0	71,018	0	616	0	4,388	0
National Telecommunications & Information Administration	6,383	6,383	0	0	0	0	0	0	0	0
Office of the Secretary	31	1	0	0	0	0	0	0	0	30
Department of Defense, total	4,333,934	1,563,632	1,509,430	19,205	1,062,832	70,444	77,735	15,858	0	14,798
Department of the Army	852,063	543,061	192,765	3,465	95,166	2,697	8,626	1,003	0	5,280
Department of the Navy	879,952	380,885	212,259	0	248,241	3,726	28,885	1,771	0	4,185
Department of the Air Force	834,459	390,323	259,715	368	167,351	4,869	9,280	1,310	0	1,243
Defense Agencies, total	1,767,460	249,363	844,691	15,372	552,074	59,152	30,944	11,774	0	4,090
Ballistic Missile Defense Organization	104,553	15,190	67,763	0	13,268	4,878	0	2,294	0	1,160
Defense Advanced Research Projects Agency ⁷	921,404	60,152	558,694	4,012	226,723	37,895	26,063	5,868	0	1,997
Defense Information Systems Agency	1,717	1,717	0	0	0	0	0	0	0	0
Defense Logistics Agency	7,062	7,062	0	0	0	0	0	0	0	0
Defense Nuclear Agency	209,033	47,118	137,497	3,910	4,638	12,765	2,172	0	0	933
Special Operations Command	39,913	22,883	17,030	0	0	0	0	0	0	0
Washington Headquarters Svcs ⁸	483,778	95,241	63,707	7,450	307,445	3,614	2,709	3,612	0	0
Department of Education	138,352	7,144	3,728	0	92,122	0	29,924	0	5,434	0
Department of Energy	3,459,934	230,690	248,594	645,370	558,061	1,542,255	53,857	146,580	10,598	23,929
Dept of Health & Human Svcs, total	10,075,950	2,244,942	514,284	122,008	5,599,759	22,731	1,389,881	18,005	126,679	37,661
Administration on Aging	3,000	171	0	0	1,500	0	1,160	0	169	0
Admin for Children & Families	11,200	224	0	0	9,856	0	1,075	0	45	0
Agcy for Hlth Care Policy & Rsch	124,000	15,290	30,204	0	50,138	0	27,539	0	0	829
Centers for Disease Control & Prevention	317,385	275,498	1,058	0	31,700	237	8,645	67	180	0
Food & Drug Administration	170,462	153,932	0	0	9,856	0	6,674	0	0	0
Health Care Financing Admin	74,537	64	27,270	0	5,838	0	19,199	0	21,876	290
Health Resources & Services Admin	12,211	2,482	0	0	7,229	0	2,500	0	0	0
National Institutes of Health ⁹	9,333,602	1,782,920	452,625	122,008	5,480,904	22,494	1,318,880	17,938	99,291	36,542
Office of the Secretary	9,121	3,750	1,414	0	1,499	0	2,183	0	275	0
Social Security Administration ¹⁰	20,432	10,611	1,713	0	1,239	0	2,026	0	4,843	0

See explanatory information, if any, and SOURCE at end of table

Table C-16. Federal obligations for research, by agency and performer: fiscal year 1995

[Dollars in thousands]

Page 2 of 3

Agency and subdivision	Total	Intra-mural ¹	Extramural								Foreign
			United States and territories								
			Indus-trial firms	FFRDCs admin by in-dustrial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other non-profit insti-tutions	FFRDCs admin by non-profit insti-tutions	State and local govts		
Dept of Housing & Urban Dvlpmnt	14,180	7,401	595	0	1,294	0	4,890	0	0	0	
Department of the Interior, total	532,436	473,703	6,716	85	49,311	610	595	0	419	997	
Bureau of Reclamation	5,997	5,082	0	0	570	0	345	0	0	0	
Geological Survey ¹¹	347,897	322,016	1,311	0	24,570	0	0	0	0	0	
Minerals Management Service	20,010	5,943	3,712	85	8,324	530	0	0	419	997	
National Biological Service ^{12, 11}	138,810	131,551	53	0	7,001	0	205	0	0	0	
National Park Service ¹²	19,722	9,111	1,640	0	8,846	80	45	0	0	0	
Department of Justice, total	25,828	2,968	723	0	5,448	0	13,733	0	2,956	0	
Bureau of Prisons	3,249	2,068	0	0	0	0	0	0	1,181	0	
Immigration & Naturalization Svc	400	40	0	0	0	0	360	0	0	0	
Office of Justice Programs	22,179	860	723	0	5,448	0	13,373	0	1,775	0	
Department of Labor, total	28,248	8,991	7,136	0	9,965	0	1,761	0	395	0	
Bureau of Labor Statistics	13,100	3,779	0	0	9,321	0	0	0	0	0	
Employment & Training Admin	4,206	1,144	1,000	0	592	0	1,075	0	395	0	
Occupational Safety & Hlth Admin	4,370	1,286	3,084	0	0	0	0	0	0	0	
Office of the Secretary	2,872	1,942	892	0	12	0	26	0	0	0	
Pension Benefit Guaranty Corp	102	52	50	0	0	0	0	0	0	0	
Pension & Welfare Benefits Admin	3,598	788	2,110	0	40	0	660	0	0	0	
Department of State	5,010	402	101	0	0	23	4,484	0	0	0	
Department of Transportation, total	370,746	133,864	95,712	400	30,536	19,064	33,196	967	56,819	188	
Coast Guard	4,930	3,360	1,070	0	500	0	0	0	0	0	
Federal Aviation Administration	83,291	42,444	30,435	0	6,180	3,115	0	967	0	150	
Federal Highway Administration	203,148	50,745	44,701	400	13,303	15,949	22,479	0	55,571	0	
Federal Railroad Administration	22,545	12,702	3,278	0	1,200	0	5,340	0	0	25	
Federal Transit Administration	10,866	1,002	1,660	0	2,850	0	4,106	0	1,248	0	
Maritime Administration	2,450	723	969	0	503	0	242	0	0	13	
National Highway Traffic Safety Administration	39,707	20,865	11,813	0	6,000	0	1,029	0	0	0	
Office of the Secretary	590	90	500	0	0	0	0	0	0	0	
Research & Special Programs Admin	3,219	1,933	1,286	0	0	0	0	0	0	0	
Department of the Treasury, total	48,928	29,256	976	0	0	1,496	0	17,200	0	0	
Bureau of Engraving & Printing	1,324	1,140	0	0	0	184	0	0	0	0	
Internal Revenue Service	45,797	27,285	0	0	0	1,312	0	17,200	0	0	
Office of Thrift Supervision	550	550	0	0	0	0	0	0	0	0	
United States Customs Service	710	40	670	0	0	0	0	0	0	0	
United States Secret Service ¹³	547	241	306	0	0	0	0	0	0	0	
Department of Veterans Affairs	218,806	217,806	0	0	1,000	0	0	0	0	0	

See explanatory information, if any, and SOURCE at end of table.

Table C-16. Federal obligations for research, by agency and performer: fiscal year 1995

[Dollars in thousands]

Page 3 of 3

Agency and subdivision	Total	Intra- mural ¹	Extramural								Foreign
			United States and territories								
			Indus- trial firms	FFRDCs admin by in- dustrial firms	Univer- sities and colleges	FFRDCs admin by univs and colleges	Other nonprofit insti- tutions	FFRDCs admin by non- profit insti- tutions	State and local govts		
Other agencies											
Advisory Commission on Intergovernmental Relations	1,413	1,413	0	0	0	0	0	0	0	0	
Appalachian Regional Commission	900	100	300	0	500	0	0	0	0	0	
Environmental Protection Agency	401,627	163,586	109,300	0	91,552	0	30,000	0	4,643	2,546	
Federal Communications Commission	2,268	2,268	0	0	0	0	0	0	0	0	
Federal Trade Commission	564	564	0	0	0	0	0	0	0	0	
International Development Cooperation Agency, total	272,679	57,146	11,086	0	28,681	0	141,698	0	0	34,068	
Agency for International Dvlpmnt	272,679	57,146	11,086	0	28,681	0	141,698	0	0	34,068	
Library of Congress	2,106	2,106	0	0	0	0	0	0	0	0	
National Aeronautics & Space Admin	4,046,089	1,011,522	1,885,761	0	587,589	421,913	120,543	1,851	1,907	15,003	
National Archives & Records Admin	120	120	0	0	0	0	0	0	0	0	
National Science Foundation	2,149,277	17,343	108,611	10	1,733,512	140,883	138,209	583	4,818	5,308	
Nuclear Regulatory Commission	88,212	15,463	4,096	30,916	6,090	16,098	1,150	9,086	0	5,313	
Smithsonian Institution	124,000	124,000	0	0	0	0	0	0	0	0	
Tennessee Valley Authority	26,370	26,370	0	0	0	0	0	0	0	0	
US Arms Control & Disarmament Agcy	1,146	250	896	0	0	0	0	0	0	0	
United States Information Agency	289	289	0	0	0	0	0	0	0	0	
US Internat'l Trade Commission	12,152	12,152	0	0	0	0	0	0	0	0	

¹ Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

² The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.

³ The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.

⁴ The Office of International Cooperation & Development became part of the Foreign Agricultural Service (FAS) in June 1994. Data reported for FAS include funds appropriated to International Cooperation & Development programs within FAS as of fiscal year 1994.

⁵ The Federal Grain Inspection Service was abolished on Oct. 20, 1994, and its functions were assumed by the Grain Inspection Packers & Stockyards Administration.

⁶ This agency's name changed from the Rural Business & Cooperative Development Service to the Rural Business-Cooperative Service on Jan. 30, 1996.

⁷ This agency's name changed to the Advanced Research Projects Agency on July 13, 1993, and it was changed back to Defense Advanced Research Projects Agency in February 1996.

⁸ Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services' submission as of Vol. 45.

⁹ Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.

¹⁰ As of Mar. 31, 1995, the Social Security Administration became an independent agency, it is no longer part of the Department of Health & Human Services.

¹¹ As of fiscal year 1996, data for the National Biological Service (NBS) are included with the Geological Survey's submission, since NBS's funding comes from the Geological Survey's congressional appropriation.

¹² The National Biological Service's (NBS) name changed from the National Biological Survey on Jan. 5, 1995. As of fiscal year 1994, NBS performs all biological research activities formerly funded by the United States Fish & Wildlife Service and the National Park Service.

¹³ The United States Secret Service was formerly listed as the Office of Protective Research.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

BEST COPY AVAILABLE

Table C-17. Preliminary Federal obligations for research, by agency and performer: fiscal year 1996

[Dollars in thousands]

Page 1 of 3

Agency and subdivision	Total	Intra-mural ¹	Extramural							
			United States and territories							Foreign
			Indus-trial firms	FFRDCs admin by in-dustrial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other nonprofit insti-tutions	FFRDCs admin by non-profit insti-tutions	State and local govts	
Total, all agencies	28,577,767	7,404,277	4,672,802	877,683	10,919,863	2,085,714	2,100,973	183,682	198,898	133,875
Departments:										
Department of Agriculture, total	1,272,091	822,054	10,445	0	419,407	0	14,277	0	2,314	3,594
Agricultural Marketing Service	4,237	4,237	0	0	0	0	0	0	0	0
Agricultural Research Service ²	626,394	591,885	0	0	25,465	0	5,917	0	260	2,867
Cooperative State Research, Education, & Extension Service ³	406,163	18,824	10,266	0	368,650	0	6,961	0	1,462	0
Economic Research Service	53,131	51,249	0	0	1,882	0	0	0	0	0
Foreign Agricultural Service ⁴	1,422	1,067	0	0	355	0	0	0	0	0
Forest Service	172,660	146,828	179	0	22,965	0	1,369	0	592	727
Grain Inspection Packers & Stockyards Administration ⁵	2,797	2,797	0	0	0	0	0	0	0	0
Natl Agricultural Statistics Svc	3,887	3,767	0	0	90	0	30	0	0	0
Rural Business Cooperative Svc ⁶	1,400	1,400	0	0	0	0	0	0	0	0
Department of Commerce, total	898,041	615,475	200,207	0	74,452	183	3,829	0	3,098	797
Bureau of the Census	2,871	2,871	0	0	0	0	0	0	0	0
Economic Development Admin	500	10	200	0	0	0	290	0	0	0
National Inst of Standards & Tech	409,012	196,755	198,435	0	10,797	133	2,122	0	0	770
Natl Oceanic & Atmospheric Admin	481,151	411,359	1,572	0	63,655	50	1,417	0	3,098	0
National Telecommunications & Information Administration	4,479	4,479	0	0	0	0	0	0	0	0
Office of the Secretary	26	1	0	0	0	0	0	0	0	27
Department of Defense, total	3,948,430	1,402,031	1,334,569	11,448	1,026,368	57,904	81,268	18,566	0	16,276
Department of the Army	649,059	397,420	133,752	748	98,919	607	13,691	359	0	3,563
Department of the Navy	941,521	402,195	264,534	0	236,921	2,821	27,188	1,913	0	5,949
Department of the Air Force	881,924	426,664	272,183	777	157,739	4,360	13,291	5,205	0	1,705
Defense Agencies, total	1,475,926	175,752	664,100	9,923	532,789	50,116	27,098	11,089	0	5,059
Ballistic Missile Defense Organization	82,496	12,084	45,194	471	15,600	7,400	33	714	0	1,000
Defense Advanced Research Projects Agency ⁷	777,597	44,731	464,106	3,332	208,860	22,828	24,410	7,668	0	1,662
Defense Information Systems Agency	1,455	1,455	0	0	0	0	0	0	0	0
Defense Logistics Agency	7,981	7,981	0	0	0	0	0	0	0	0
Defense Nuclear Agency	168,417	35,962	115,196	2,842	768	9,582	1,670	0	0	2,397
Special Operations Command	21,787	12,491	9,296	0	0	0	0	0	0	0
Washington Headquarters Svcs ⁸	416,193	61,048	30,308	3,278	307,561	10,306	985	2,707	0	0
Department of Education	141,623	6,628	6,863	0	98,685	0	25,262	0	4,185	0
Department of Energy	3,299,377	194,348	260,451	651,959	526,497	1,471,380	42,296	127,263	7,487	17,696
Dept of Health & Human Svcs, total	10,524,585	1,999,385	456,272	189,333	6,248,275	17,207	1,440,310	19,268	116,507	38,028
Administration on Aging	171	171	0	0	0	0	0	0	0	0
Admin for Children & Families	8,300	166	0	0	7,304	0	830	0	0	0
Agcy for Hlth Care Policy & Rsch	59,000	10,923	13,462	0	22,115	0	12,500	0	0	0
Centers for Disease Control & Prevention	323,181	281,294	1,058	0	31,700	237	8,645	67	180	0
Food & Drug Administration	170,462	153,932	0	0	9,856	0	6,674	0	0	0
Health Care Financing Admin	54,500	40	23,900	0	5,200	0	13,928	0	11,120	312
Health Resources & Services Admin	11,763	2,077	0	0	7,197	0	2,489	0	0	0
National Institutes of Health ⁹	9,888,208	1,547,282	415,852	189,333	6,162,903	16,970	1,393,744	19,201	105,207	37,716
Office of the Secretary	9,000	3,500	2,000	0	2,000	0	1,500	0	0	0

See explanatory information, if any, and SOURCE at end of table

Table C-17. Preliminary Federal obligations for research, by agency and performer: fiscal year 1996

[Dollars in thousands]

Page 2 of 3

Agency and subdivision	Total	Intra-mural ¹	Extramural							
			United States and territories							Foreign
			Indus-trial firms	FFRDCs admin by in-dustrial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other nonprofit insti-tutions	FFRDCs admin by non-profit insti-tutions	State and local govts	
Dept of Housing & Urban Dvlpmnt	12,162	8,502	1,206	0	531	0	1,923	0	0	0
Department of the Interior, total	539,603	478,185	5,633	20	53,645	350	271	0	226	1,273
Bureau of Reclamation	4,523	4,058	0	0	300	0	165	0	0	0
Geological Survey ¹⁰	494,529	457,277	1,312	0	35,940	0	0	0	0	0
Minerals Management Service	20,774	7,731	2,681	20	8,483	350	10	0	226	1,273
National Park Service ¹¹	19,777	9,119	1,640	0	8,922	0	96	0	0	0
Department of Justice, total	27,219	3,326	540	0	5,575	0	16,445	0	1,333	0
Bureau of Prisons	1,900	1,900	0	0	0	0	0	0	0	0
Drug Enforcement Administration	45	45	0	0	0	0	0	0	0	0
Immigration & Naturalization Svc	400	40	0	0	0	0	360	0	0	0
Office of Justice Programs	24,874	1,341	540	0	5,575	0	16,085	0	1,333	0
Department of Labor, total	24,687	12,744	5,618	0	5,350	0	975	0	0	0
Bureau of Labor Statistics	13,300	8,200	0	0	5,100	0	0	0	0	0
Employment & Training Admin	3,023	850	973	0	250	0	950	0	0	0
Occupational Safety & Hlth Admin	3,175	935	2,240	0	0	0	0	0	0	0
Office of the Secretary	2,871	1,918	928	0	0	0	25	0	0	0
Pension Benefit Guaranty Corp	53	53	0	0	0	0	0	0	0	0
Pension & Welfare Benefits Admin	2,265	788	1,477	0	0	0	0	0	0	0
Department of State	4,250	405	101	0	23	41	3,680	0	0	0
Department of Transportation, total	333,972	113,608	87,863	1,644	44,590	1,811	32,596	603	51,172	85
Coast Guard	5,010	3,383	1,227	0	400	0	0	0	0	0
Federal Aviation Administration	60,373	31,819	21,734	120	4,226	1,811	0	603	0	60
Federal Highway Administration	198,126	46,414	44,526	1,524	29,894	0	24,596	0	51,172	0
Federal Railroad Administration	19,913	9,106	3,712	0	1,670	0	5,400	0	0	25
Federal Transit Administration	5,515	1,115	400	0	2,400	0	1,600	0	0	0
National Highway Traffic Safety Administration	38,185	19,209	11,976	0	6,000	0	1,000	0	0	0
Research & Special Programs Admin	6,850	2,562	4,288	0	0	0	0	0	0	0
Department of the Treasury, total	50,262	34,169	920	0	557	116	0	14,500	0	0
Bureau of Engraving & Printing	1,276	1,160	0	0	0	116	0	0	0	0
Internal Revenue Service	47,196	32,139	0	0	557	0	0	14,500	0	0
Office of Thrift Supervision	546	546	0	0	0	0	0	0	0	0
United States Customs Service	660	60	600	0	0	0	0	0	0	0
United States Secret Service ¹²	584	264	320	0	0	0	0	0	0	0
Department of Veterans Affairs	253,813	252,963	0	0	850	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-17. Preliminary Federal obligations for research, by agency and performer: fiscal year 1996

[Dollars in thousands]

Page 3 of 3

Page 3 of 3

Agency and subdivision	Total	Intra-mural ¹	Extramural							
			United States and territories							Foreign
			Indus-trial firms	FFRDCs admin by in-dustrial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other nonprofit insti-tutions	FFRDCs admin by non-profit insti-tutions	State and local govts	
Other agencies:										
Advisory Commission on Intergovernmental Relations	1 402	1 402	0	0	0	0	0	0	0	0
Appalachian Regional Commission	900	100	100	0	700	0	0	0	0	0
Environmental Protection Agency	352 170	143 442	95 840	0	80 278	0	26 306	0	4 071	2 233
Federal Communications Commission	2 819	2 819	0	0	0	0	0	0	0	0
Federal Trade Commission	981	981	0	0	0	0	0	0	0	0
International Development Cooperation Agency, total	226 749	34 315	9 421	0	18 025	0	135 155	0	0	29 833
Agency for International Development	226 749	34 315	9 421	0	18 025	0	135 155	0	0	29 833
Library of Congress	1 827	1 827	0	0	0	0	0	0	0	0
National Aeronautics & Space Administration	4 281 576	1 070 394	2 084 572	0	587 589	390 298	129 983	1 866	1 973	14 901
National Archives & Records Administration	120	120	0	0	0	0	0	0	0	0
National Science Foundation	2 141 712	20 061	106 461	8	1 725 596	135 621	143 393	559	4 689	5 324
Nuclear Regulatory Commission	59 184	13 872	3 632	23 271	2 155	10 803	559	1 057	0	3 835
Smithsonian Institution	125 400	125 400	0	0	0	0	0	0	0	0
Social Security Administration ³	8 292	1 656	1 633	0	715	0	2 445	0	1 843	0
Tennessee Valley Authority	31 130	31 130	0	0	0	0	0	0	0	0
US Arms Control & Disarmament Agency	545	90	455	0	0	0	0	0	0	0
United States Information Agency	150	150	0	0	0	0	0	0	0	0
US International Trade Commission	12 695	12 695	0	0	0	0	0	0	0	0

¹ Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

² The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.

³ The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.

⁴ The Office of International Cooperation & Development became part of the Foreign Agricultural Service (FAS) in June 1994. Data reported for FAS include funds appropriated to International Cooperation & Development programs within FAS as of fiscal year 1994.

⁵ The Federal Grain Inspection Service was abolished on Oct. 20, 1994, and its functions were assumed by the Grain Inspection Packers & Stockyards Administration.

⁶ This agency's name changed from the Rural Business & Cooperative Development Service to the Rural Business Cooperative Service on Jan. 30, 1996.

⁷ This agency's name changed to the Advanced Research Projects Agency on July 13, 1993, and it was changed back to Defense Advanced Research Projects Agency in February 1996.

⁸ Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services' submission as of Vol. 45.

⁹ Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.

¹⁰ As of fiscal year 1996, data for the National Biological Service (NBS) are included with the Geological Survey's submission, since NBS's funding comes from the Geological Survey's congressional appropriation.

¹¹ The National Biological Service's (NBS) name changed from the National Biological Survey on Jan. 5, 1995. As of fiscal year 1994, NBS performs all biological research activities formerly funded by the United States Fish & Wildlife Service and the National Park Service.

¹² The United States Secret Service was formerly listed as the Office of Protective Research.

¹³ As of Mar. 31, 1995, the Social Security Administration became an independent agency; it is no longer part of the Department of Health & Human Services.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: FFRDCs = Federally funded research and development centers.

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development, Fiscal Years 1995, 1996, and 1997.

Table C-18. Preliminary Federal obligations for research, by agency and performer: fiscal year 1997

[Dollars in thousands]

Page 1 of 3

Agency and subdivision	Total	Intra- mural ¹	Extramural							
			United States and territories							Foreign
			Indus- trial firms	FFRDCs admin by indus- trial firms	Univer- sities and colleges	FFRDCs admin by univs and colleges	Other nonprofit insti- tutions	FFRDCs admin by non- profit insti- tutions	State and local govts	
Total, all agencies	29,173,536	7,696,114	4,799,723	1,005,509	10,823,289	2,131,096	2,199,887	191,571	207,020	119,327
Departments										
Department of Agriculture, total	1,286,264	844,144	12,269	0	416,869	0	7,073	0	2,315	3,594
Agricultural Marketing Service	4,271	4,271	0	0	0	0	0	0	0	0
Agricultural Research Service ²	640,888	609,793	0	0	25,465	0	2,503	0	260	2,867
Cooperative State Research, Education, & Extension Service ³	402,172	19,336	12,090	0	365,112	0	3,171	0	1,463	0
Economic Research Service	54,947	53,065	0	0	1,882	0	0	0	0	0
Foreign Agricultural Service ⁴	1,422	1,067	0	0	355	0	0	0	0	0
Forest Service	174,393	148,561	179	0	22,965	0	1,369	0	592	727
Grain Inspection Packers & Stockyards Administration ⁵	2,830	2,830	0	0	0	0	0	0	0	0
Natl Agricultural Statistics Svc	3,941	3,821	0	0	90	0	30	0	0	0
Rural Business-Cooperative Svc ⁶	1,400	1,400	0	0	0	0	0	0	0	0
Department of Commerce, total	858,560	639,000	153,967	0	68,153	188	4,444	0	3,092	616
Bureau of the Census	2,871	2,871	0	0	0	0	0	0	0	0
Economic Development Admin	1,500	30	600	0	0	0	870	0	0	0
National Inst of Standards & Tech	366,301	201,499	150,790	0	11,421	138	1,837	0	0	616
Natl Oceanic & Atmospheric Admin	493,143	429,855	1,677	0	56,732	50	1,737	0	3,092	0
National Telecommunications & Information Administration	4,745	4,745	0	0	0	0	0	0	0	0
Department of Defense, total	3,661,536	1,365,977	1,344,594	9,050	968,057	68,771	77,689	14,032	0	13,366
Department of the Army	672,084	413,975	147,841	763	93,352	1,337	11,452	688	0	2,676
Department of the Navy	853,725	356,785	223,767	0	236,170	2,561	27,789	467	0	6,186
Department of the Air Force	872,575	425,636	263,545	747	158,506	4,610	12,503	5,360	0	1,668
Defense Agencies, total	1,463,152	169,581	709,441	7,540	480,029	60,263	25,945	7,517	0	2,836
Ballistic Missile Defense Organization	95,693	16,226	54,578	471	16,977	5,963	0	478	0	1,000
Defense Advanced Research Projects Agency ⁷	796,699	48,952	488,043	2,294	203,250	25,912	23,877	3,702	0	669
Defense Information Systems Agency	1,849	1,849	0	0	0	0	0	0	0	0
Defense Logistics Agency	7,785	7,785	0	0	0	0	0	0	0	0
Defense Nuclear Agency	196,954	41,405	141,511	1,498	682	9,482	1,049	160	0	1,167
Special Operations Command Washington Headquarters Svcs ⁸	15,048	8,627	6,421	0	0	0	0	0	0	0
	349,124	44,737	18,888	3,277	259,120	18,906	1,019	3,177	0	0
Department of Education	142,710	6,963	5,448	0	98,481	0	28,701	0	5,117	0
Department of Energy	3,575,140	251,942	276,079	770,198	533,090	1,534,190	49,561	138,590	7,426	14,064
Dept of Health & Human Svcs, total	10,768,129	2,188,721	492,058	202,290	6,132,461	20,415	1,551,779	19,972	119,160	41,273
Admin for Children & Families	17,522	351	0	0	15,419	0	1,752	0	0	0
Agcy for Hth Care Policy & Rsch	77,000	18,715	16,320	0	26,811	0	15,154	0	0	0
Centers for Disease Control & Prevention	361,181	319,294	1,058	0	31,700	237	8,645	67	180	0
Food & Drug Administration	170,462	153,932	0	0	9,856	0	6,674	0	0	0
Health Care Financing Admin	55,310	51	29,724	0	6,605	0	10,173	0	8,463	294
Health Resources & Services Admin	11,668	2,091	0	0	7,116	0	2,461	0	0	0
National Institutes of Health ⁹	10,065,986	1,690,787	442,956	202,290	6,032,954	20,178	1,505,420	19,905	110,517	40,979
Office of the Secretary	9,000	3,500	2,000	0	2,000	0	1,500	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-18. Preliminary Federal obligations for research, by agency and performer: fiscal year 1997

[Dollars in thousands]

Page 2 of 3

Page 2 of 3

Agency and subdivision	Total	Intra-mural ¹	Extramural								Foreign
			United States and territories								
			Indus-trial firms	FFRDCs admin by indus-trial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other nonprofit insti-tutions	FFRDCs admin by non-profit insti-tutions	State and local govts		
Dept of Housing & Urban Dvlpmnt	16,690	11,612	1,100	0	370	0	3,608	0	0	0	
Department of the Interior, total	546,105	492,309	5,740	20	46,304	350	155	0	226	1,001	
Bureau of Reclamation	5,730	5,655	0	0	75	0	0	0	0	0	
Geological Survey ¹⁰	498,959	469,259	1,420	0	28,280	0	0	0	0	0	
Minerals Management Service	20,579	7,809	2,680	20	8,483	350	10	0	226	1,001	
National Park Service ¹¹	20,837	9,586	1,640	0	9,466	0	145	0	0	0	
Department of Justice, total	35,211	5,876	500	0	5,375	0	22,160	0	1,300	0	
Bureau of Prisons	1,900	1,900	0	0	0	0	0	0	0	0	
Drug Enforcement Administration	50	50	0	0	0	0	0	0	0	0	
Immigration & Naturalization Svc	400	40	0	0	0	0	360	0	0	0	
Office of Justice Programs	32,861	3,886	500	0	5,375	0	21,800	0	1,300	0	
Department of Labor, total	23,770	17,070	5,566	0	150	0	984	0	0	0	
Bureau of Labor Statistics	12,600	12,600	0	0	0	0	0	0	0	0	
Employment & Training Admin	2,375	681	810	0	150	0	734	0	0	0	
Occupational Safety & Hlth Admin	3,495	1,029	2,466	0	0	0	0	0	0	0	
Office of the Secretary	2,918	1,918	750	0	0	0	250	0	0	0	
Pension Benefit Guaranty Corp	54	54	0	0	0	0	0	0	0	0	
Pension & Welfare Benefits Admin	2,328	788	1,540	0	0	0	0	0	0	0	
Department of State	4,250	405	101	0	23	41	3,680	0	0	0	
Department of Transportation, total	394,311	147,977	130,322	691	29,898	2,177	26,011	675	56,490	70	
Coast Guard	4,944	3,370	1,274	0	300	0	0	0	0	0	
Federal Aviation Administration	67,570	35,608	24,325	135	4,730	2,027	0	675	0	70	
Federal Highway Administration	235,356	65,675	79,725	556	14,808	150	18,452	0	55,990	0	
Federal Railroad Administration	23,495	14,451	2,450	0	1,510	0	5,084	0	0	0	
Federal Transit Administration	5,802	1,102	500	0	2,400	0	1,300	0	500	0	
Maritime Administration	2,006	454	1,227	0	150	0	175	0	0	0	
National Highway Traffic Safety Administration	45,663	23,681	14,982	0	6,000	0	1,000	0	0	0	
Research & Special Programs Admin	9,475	3,636	5,839	0	0	0	0	0	0	0	
Department of the Treasury, total	53,901	38,370	950	0	32	49	0	14,500	0	0	
Bureau of Engraving & Printing	1,173	1,124	0	0	0	49	0	0	0	0	
Internal Revenue Service	50,830	36,298	0	0	32	0	0	14,500	0	0	
Office of Thrift Supervision	583	583	0	0	0	0	0	0	0	0	
United States Customs Service	700	70	630	0	0	0	0	0	0	0	
United States Secret Service ¹²	615	295	320	0	0	0	0	0	0	0	
Department of Veterans Affairs	236,174	235,324	0	0	850	0	0	0	0	0	

See explanatory information, if any, and SOURCE at end of table

Table C-18. Preliminary Federal obligations for research, by agency and performer: fiscal year 1997

[Dollars in thousands]

Page 3 of 3

Agency and subdivision	Total	Intra-mural ¹	Extramural							Foreign
			United States and territories							
			Indus-trial firms	FFRDCs admin by in-dustrial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institu-tions	FFRDCs admin by non-profit institu-tions	State and local govts	
Other agencies:										
Appalachian Regional Commission	900	100	100	0	700	0	0	0	0	0
Environmental Protection Agency	410,553	167,221	111,729	0	93,586	0	30,667	0	4,746	2,604
Federal Communications Commission	2,749	2,749	0	0	0	0	0	0	0	0
Federal Trade Commission	1,034	1,034	0	0	0	0	0	0	0	0
International Development Cooperation Agency, total	172,740	19,573	9,569	0	12,446	0	111,202	0	0	19,950
Agency for International Dvlpmt	172,740	19,573	9,569	0	12,446	0	111,202	0	0	19,950
Library of Congress	1,886	1,886	0	0	0	0	0	0	0	0
National Aeronautics & Space Admin	4,240,540	1,060,135	2,099,209	0	587,589	346,847	127,469	1,896	2,267	15,128
National Archives & Records Admin	120	120	0	0	0	0	0	0	0	0
National Science Foundation	2,278,922	18,942	124,621	10	1,823,586	145,402	155,624	497	4,859	5,381
Nuclear Regulatory Commission	59,014	13,760	2,035	23,250	3,224	12,666	390	1,409	0	2,280
Smithsonian Institution	136,800	136,800	0	0	0	0	0	0	0	0
Social Security Administration ³	27,698	1,075	23,866	0	2,045	0	690	0	22	0
Tennessee Valley Authority	14,182	14,182	0	0	0	0	0	0	0	0
US Arms Control & Disarmament Agcy	1,000	200	800	0	0	0	0	0	0	0
United States Information Agency	136	136	0	0	0	0	0	0	0	0
US Internat'l Trade Commission	12,511	12,511	0	0	0	0	0	0	0	0

¹ Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

² The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.

³ The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.

⁴ The Office of International Cooperation & Development became part of the Foreign Agricultural Service (FAS) in June 1994. Data reported for FAS include funds appropriated to International Cooperation & Development programs within FAS as of fiscal year 1994.

⁵ The Federal Grain Inspection Service was abolished on Oct. 20, 1994, and its functions were assumed by the Grain Inspection Packers & Stockyards Administration.

⁶ This agency's name changed from the Rural Business & Cooperative Development Service to the Rural Business-Cooperative Service on Jan. 30, 1996.

⁷ This agency's name changed to the Advanced Research Projects Agency on July 13, 1993, and it was changed back to Defense Advanced Research Projects Agency in February 1996.

⁸ Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services' submission as of Vol. 45.

⁹ Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.

¹⁰ As of fiscal year 1996, data for the National Biological Service (NBS) are included with the Geological Survey's submission, since NBS's funding comes from the Geological Survey's congressional appropriation.

¹¹ The National Biological Service's (NBS) name changed from the National Biological Survey on Jan. 5, 1995. As of fiscal year 1994, NBS performs all biological research activities formerly funded by the United States Fish & Wildlife Service and the National Park Service.

¹² The United States Secret Service was formerly listed as the Office of Protective Research.

¹³ As of Mar. 31, 1995, the Social Security Administration became an independent agency; it is no longer part of the Department of Health & Human Services.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

Table C-19. Federal obligations for research, by detailed field of science and engineering: fiscal years 1995, 1996, and 1997

[Dollars in thousands]

Page 1 of 1

Field of science and engineering	1995	Preliminary	
		1996	1997
Total, all fields	28,573,434	28,577,767	29,173,536
Life sciences, total	11,869,420	12,150,125	12,299,589
Biological (excluding environmental)	4,803,882	NA	NA
Environmental biology	891,524	NA	NA
Agricultural	733,152	NA	NA
Medical	5,004,566	NA	NA
Life sciences, n.e.c.	436,296	NA	NA
Psychology, total	620,786	641,334	650,244
Biological aspects	57,006	NA	NA
Social aspects	156,303	NA	NA
Psychological sciences, n.e.c.	407,477	NA	NA
Physical sciences, total	4,281,568	4,322,403	4,398,227
Astronomy	764,911	NA	NA
Chemistry	866,213	NA	NA
Physics	2,451,288	NA	NA
Physical sciences, n.e.c.	199,156	NA	NA
Environmental sciences, total	2,947,385	2,924,144	2,955,071
Atmospheric	1,176,125	NA	NA
Geological	864,200	NA	NA
Oceanography	424,026	NA	NA
Environmental sciences, n.e.c.	483,034	NA	NA
Mathematics & computer sciences, total	1,530,877	1,508,327	1,545,836
Mathematics	359,221	NA	NA
Computer sciences	961,877	NA	NA
Mathematics & computer sciences, n.e.c.	209,779	NA	NA
Engineering, total	5,740,088	5,508,544	5,707,682
Aeronautical	1,248,561	NA	NA
Astronautical	545,098	NA	NA
Chemical	250,407	NA	NA
Civil	340,442	NA	NA
Electrical	765,854	NA	NA
Mechanical	418,064	NA	NA
Metallurgy & materials	793,349	NA	NA
Engineering, n.e.c.	1,378,313	NA	NA
Social sciences, total	681,518	669,373	727,632
Anthropology	22,079	NA	NA
Economics	205,940	NA	NA
Political science	24,136	NA	NA
Sociology	48,509	NA	NA
Social sciences, n.e.c.	380,854	NA	NA
Other sciences, n.e.c.	901,792	853,517	889,255

NOTES: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

The National Aeronautics and Space Administration has made a statistical adjustment to the 1994, 1995, 1996, and 1997 field of science and engineering values to diminish a computational error introduced by its software.

KEY: NA = Not applicable (indicates that the data collected for this table were not recorded at that level in that particular fiscal year)
n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation SRS, Survey of Federal Funds for Research and Development, Fiscal Years 1995, 1996, and 1997

Table C-20. Federal obligations for research, by agency and field of science and engineering:
fiscal year 1995

[Dollars in thousands]

Page 1 of 3

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Total, all agencies	28,573,434	11,869,420	620,786	4,281,568	2,947,385	1,530,877	5,740,088	681,518	901,792
Departments:									
Department of Agriculture, total	1,299,552	987,939	448	88,918	13,421	17,880	69,431	117,789	3,726
Agricultural Marketing Service	4,180	4,180	0	0	0	0	0	0	0
Agricultural Research Service ¹	628,608	556,750	0	55,242	4,302	2,685	9,629	0	0
Cooperative State Research, Education, & Extension Service ²	417,712	312,446	0	25,875	3,113	0	27,274	49,004	0
Economic Research Service	53,827	0	0	0	0	0	0	53,827	0
Foreign Agricultural Service ³	457	457	0	0	0	0	0	0	0
Forest Service	187,704	112,622	448	7,801	6,006	11,176	32,528	13,397	3,726
Grain Inspection Packers & Stockyards Administration ⁴	1,484	1,484	0	0	0	0	0	0	0
Natl Agricultural Statistics Svc	4,019	0	0	0	0	4,019	0	0	0
Rural Business-Cooperative Svc ⁵	1,561	0	0	0	0	0	0	1,561	0
Department of Commerce, total	892,318	150,587	287	102,683	290,811	102,369	189,311	18,827	37,443
Bureau of the Census	2,930	0	287	0	0	1,902	0	678	63
Economic Development Admin	521	0	0	0	0	0	0	521	0
National Inst of Standards & Tech	372,091	33,546	0	81,242	440	83,165	173,515	183	0
Natl Oceanic & Atmospheric Admin	510,362	117,041	0	21,441	290,371	17,302	9,413	17,445	37,349
National Telecommunications & Information Administration	6,383	0	0	0	0	0	6,383	0	0
Office of the Secretary	31	0	0	0	0	0	0	0	31
Department of Defense, total	4,333,934	421,754	117,477	561,036	347,907	695,377	2,057,848	488	132,047
Department of the Army	852,063	184,217	15,163	97,521	51,000	100,247	395,506	488	7,921
Department of the Navy	879,952	52,425	31,909	202,154	116,437	60,472	402,327	0	14,228
Department of the Air Force	834,459	72,726	58,983	149,741	30,706	109,006	404,965	0	8,332
Defense Agencies, total	1,767,460	112,386	11,422	111,620	149,764	425,652	855,050	0	101,566
Ballistic Missile Defense Organization	104,553	0	0	18,450	4,553	23,501	54,749	0	3,300
Defense Advanced Research Projects Agency ⁶	921,404	0	0	10,168	23,844	354,899	522,571	0	9,922
Defense Information Systems Agency	1,717	0	0	0	0	0	0	0	1,717
Defense Logistics Agency	7,062	0	7,062	0	0	0	0	0	0
Defense Nuclear Agency	209,033	4,411	0	46,189	12,490	2,838	57,480	0	85,625
Special Operations Command	39,913	1,218	0	0	0	0	37,693	0	1,002
Washington Headquarters Svcs ⁷	483,778	106,757	4,360	36,813	108,877	44,414	182,557	0	0
Department of Education	138,352	13,412	3,688	0	0	1,229	5,737	114,286	0
Department of Energy	3,459,934	256,121	0	1,799,182	382,213	223,195	735,085	500	63,638
Dept of Health & Human Svcs, total	10,075,950	8,651,148	410,659	155,685	23,853	68,945	135,683	171,728	458,249
Administration on Aging	3,000	0	0	0	0	0	0	3,000	0
Admin for Children & Families	11,200	0	0	0	0	0	0	11,200	0
Agcy for Hlth Care Policy & Rsch	124,000	57,864	1,116	0	0	10,764	0	22,245	32,011
Centers for Disease Control & Prevention	317,385	317,385	0	0	0	0	0	0	0
Food & Drug Administration	170,462	170,462	0	0	0	0	0	0	0
Health Care Financing Admin	74,537	74,537	0	0	0	0	0	0	0
Health Resources & Services Admin	12,211	12,211	0	0	0	0	0	0	0
National Institutes of Health ⁸	9,333,602	8,018,689	409,543	155,685	23,853	58,181	135,683	105,730	426,238
Office of the Secretary	9,121	0	0	0	0	0	0	9,121	0
Social Security Administration ⁹	20,432	0	0	0	0	0	0	20,432	0

See explanatory information, if any, and SOURCE at end of table

**Table C-20. Federal obligations for research, by agency and field of science and engineering:
fiscal year 1995**

[Dollars in thousands]

Page 2 of 3

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Dept of Housing & Urban Dvlpmt	14,180	0	0	0	156	31	750	10,619	2,624
Department of the Interior, total	532,436	145,340	0	38,643	293,845	18,139	21,475	14,327	667
Bureau of Reclamation	5,997	0	0	0	0	0	5,997	0	0
Geological Survey ¹⁰	347,897	2,826	0	38,113	278,827	16,609	11,198	324	0
Minerals Management Service	20,010	4	0	0	12,971	1,319	3,817	1,899	0
National Biological Service ^{11 10}	138,810	138,810	0	0	0	0	0	0	0
National Park Service ¹¹	19,722	3,700	0	530	2,047	211	463	12,104	667
Department of Justice, total	25,828	750	2,059	900	0	0	400	18,874	2,845
Bureau of Prisons	3,249	0	532	0	0	0	0	2,717	0
Immigration & Naturalization Svc	400	0	0	0	0	0	400	0	0
Office of Justice Programs	22,179	750	1,527	900	0	0	0	16,157	2,845
Department of Labor, total	28,248	0	0	0	0	0	0	28,248	0
Bureau of Labor Statistics	13,100	0	0	0	0	0	0	13,100	0
Employment & Training Admin	4,206	0	0	0	0	0	0	4,206	0
Occupational Safety & Hlth Admin	4,370	0	0	0	0	0	0	4,370	0
Office of the Secretary	2,872	0	0	0	0	0	0	2,872	0
Pension Benefit Guaranty Corp	102	0	0	0	0	0	0	102	0
Pension & Welfare Benefits Admin	3,598	0	0	0	0	0	0	3,598	0
Department of State	5,010	0	0	0	0	0	0	5,010	0
Department of Transportation, total	370,746	5,773	34,927	1,389	6,717	90,247	196,746	15,784	19,163
Coast Guard	4,930	0	590	0	581	1,315	2,444	0	0
Federal Aviation Administration	83,291	0	30,680	1,189	1,524	0	48,539	0	1,359
Federal Highway Administration	203,148	233	3,657	0	4,412	77,336	93,511	6,195	17,804
Federal Railroad Administration	22,545	0	0	0	0	504	22,041	0	0
Federal Transit Administration	10,866	0	0	0	25	684	4,678	5,479	0
Maritime Administration	2,450	0	0	0	125	0	2,163	162	0
National Highway Traffic Safety Administration	39,707	5,540	0	0	0	9,128	21,306	3,733	0
Office of the Secretary	590	0	0	0	50	0	525	15	0
Research & Special Programs Admin	3,219	0	0	200	0	1,280	1,539	200	0
Department of the Treasury, total	48,928	633	394	1,226	0	17,430	98	29,147	0
Bureau of Engraving & Printing	1,324	0	0	1,226	0	0	98	0	0
Internal Revenue Service	45,797	0	0	0	0	17,200	0	28,597	0
Office of Thrift Supervision	550	0	0	0	0	0	0	550	0
United States Customs Service	710	480	0	0	0	230	0	0	0
United States Secret Service ¹²	547	153	394	0	0	0	0	0	0
Department of Veterans Affairs	218,806	202,124	16,491	0	0	0	191	0	0

See explanatory information, if any, and SOURCE at end of table

**Table C-20. Federal obligations for research, by agency and field of science and engineering:
fiscal year 1995**

[Dollars in thousands]

Page 3 of 3

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Other agencies									
Advisory Commission on Intergovernmental Relations	1,413	0	0	0	0	0	0	1,413	0
Appalachian Regional Commission	900	0	0	0	0	0	0	900	0
Environmental Protection Agency	401,627	111,029	0	0	171,874	0	118,724	0	0
Federal Communications Commission	2,268	0	0	80	0	128	1,531	529	0
Federal Trade Commission	564	0	0	0	0	0	0	564	0
International Development Cooperation Agency, total	272,679	262,288	0	0	0	0	0	7,844	2,547
Agency for International Development	272,679	262,288	0	0	0	0	0	7,844	2,547
Library of Congress	2,106	0	0	0	0	0	0	0	2,106
Natl Aeronautics & Space Admin ¹³	4,046,089	262,196	19,041	1,001,190	972,418	78,916	1,683,770	364	28,194
National Archives & Records Admin	120	0	0	120	0	0	0	0	0
National Science Foundation	2,149,277	341,040	15,315	485,798	437,742	216,856	432,432	79,478	140,616
Nuclear Regulatory Commission	88,212	0	0	0	0	0	88,212	0	0
Smithsonian Institution	124,000	46,637	0	38,417	5,486	0	0	31,977	1,483
Tennessee Valley Authority	26,370	10,599	0	5,785	942	0	2,325	475	6,244
US Arms Control & Disarmament Agcy	1,146	50	0	516	0	135	50	195	200
United States Information Agency	289	0	0	0	0	0	289	0	0
US Internat'l Trade Commission	12,152	0	0	0	0	0	0	12,152	0

- ¹ The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.
- ² The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.
- ³ The Office of International Cooperation & Development became part of the Foreign Agricultural Service (FAS) in June 1994. Data reported for FAS include funds appropriated to International Cooperation & Development programs within FAS as of fiscal year 1994.
- ⁴ The Federal Grain Inspection Service was abolished on Oct. 20, 1994, and its functions were assumed by the Grain Inspection Packers & Stockyards Administration.
- ⁵ This agency's name changed from the Rural Business & Cooperative Development Service to the Rural Business- Cooperative Service on Jan. 30, 1996.
- ⁶ This agency's name changed to the Advanced Research Projects Agency on July 13, 1993, and it was changed back to Defense Advanced Research Projects Agency in February 1996.
- ⁷ Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services' submission as of Vol. 45.
- ⁸ Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.
- ⁹ As of Mar. 31, 1995, the Social Security Administration became an independent agency; it is no longer part of the Department of Health & Human Services.
- ¹⁰ As of fiscal year 1996, data for the National Biological Service (NBS) are included with the Geological Survey's submission, since NBS's funding comes from the Geological Survey's congressional appropriation.
- ¹¹ The National Biological Service's (NBS) name changed from the National Biological Survey on Jan. 5, 1995. As of fiscal year 1994, NBS performs all biological research activities formerly funded by the United States Fish & Wildlife Service and the National Park Service.
- ¹² The United States Secret Service was formerly listed as the Office of Protective Research.
- ¹³ The National Aeronautics and Space Administration has made a statistical adjustment to the 1994, 1995, 1996, and 1997 field of science and engineering values to diminish a computational error introduced by its software.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development, Fiscal Years 1995, 1996, and 1997

BEST COPY AVAILABLE

**Table C-21. Preliminary Federal obligations for research, by agency and field of science and engineering:
fiscal year 1996**

[Dollars in thousands]

Page 1 of 3

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Total, all agencies	28,577,767	12,150,125	641,334	4,322,403	2,924,144	1,508,327	5,508,544	669,373	853,517
Departments									
Department of Agriculture, total	1,272,091	962,375	412	94,283	13,216	16,850	67,069	114,460	3,426
Agricultural Marketing Service	4,237	4,237	0	0	0	0	0	0	0
Agricultural Research Service ¹	626,394	546,521	0	62,037	4,695	2,682	10,459	0	0
Cooperative State Research, Education, & Extension Service ²	406,163	303,803	0	25,069	2,997	0	26,689	47,605	0
Economic Research Service	53,131	0	0	0	0	0	0	53,131	0
Foreign Agricultural Service ³	1,422	1,422	0	0	0	0	0	0	0
Forest Service	172,660	103,595	412	7,177	5,524	10,281	29,921	12,324	3,426
Grain Inspection Packers & Stockyards Administration ⁴	2,797	2,797	0	0	0	0	0	0	0
Nat'l Agricultural Statistics Svc	3,887	0	0	0	0	3,887	0	0	0
Rural Business-Cooperative Svc ⁵	1,400	0	0	0	0	0	0	1,400	0
Department of Commerce, total	898,041	156,062	281	106,584	260,355	112,120	204,367	19,285	38,987
Bureau of the Census	2,871	0	281	0	0	1,864	0	664	62
Economic Development Admin	500	0	0	0	0	0	0	500	0
National Inst of Standards & Tech	409,012	39,346	0	86,123	462	92,267	190,585	205	0
Nat'l Oceanic & Atmospheric Admin	481,151	116,716	0	20,461	259,873	17,989	9,303	17,912	38,897
National Telecommunications & Information Administration	4,479	0	0	0	0	0	4,479	0	0
Office of the Secretary	28	0	0	0	0	0	0	0	28
Department of Defense, total	3,948,430	324,112	124,454	563,050	262,676	674,007	1,884,434	1,786	113,911
Department of the Army	649,059	100,196	12,551	68,810	34,819	84,023	346,366	368	1,926
Department of the Navy	941,521	47,377	32,438	223,463	110,994	60,049	450,190	0	17,010
Department of the Air Force	881,924	79,911	63,566	150,264	33,360	98,495	455,237	0	1,091
Defense Agencies, total	1,475,926	96,628	15,899	120,513	83,503	431,440	632,641	1,418	93,884
Ballistic Missile Defense Organization	82,496	0	0	26,787	0	21,536	34,173	0	0
Defense Advanced Research Projects Agency ⁶	777,597	0	0	4,901	18,880	299,744	436,728	0	17,344
Defense Information Systems Agency	1,455	0	0	0	0	0	0	0	1,455
Defense Logistics Agency	7,981	0	7,981	0	0	0	0	0	0
Defense Nuclear Agency	168,417	2,688	0	37,149	2,841	1,847	49,355	0	74,537
Special Operations Command	21,787	664	0	0	0	0	20,575	0	548
Washington Headquarters Svcs ⁷	416,193	93,276	7,918	51,676	61,782	108,313	91,810	1,418	0
Department of Education	141,623	13,029	3,278	0	0	819	6,556	117,941	0
Department of Energy	3,299,377	244,015	0	1,754,405	426,495	219,544	627,230	621	27,067
Dept of Health & Human Svcs, total	10,524,585	9,083,526	433,373	165,148	24,948	66,772	143,750	139,983	467,085
Administration on Aging	171	0	0	0	0	0	0	171	0
Admin for Children & Families	8,300	0	0	0	0	0	0	8,300	0
Agcy for Hlth Care Policy & Rsch	59,000	27,730	0	0	0	5,310	0	10,620	15,340
Centers for Disease Control & Prevention	323,181	323,181	0	0	0	0	0	0	0
Food & Drug Administration	170,462	170,462	0	0	0	0	0	0	0
Health Care Financing Admin	54,500	54,500	0	0	0	0	0	0	0
Health Resources & Services Admin	11,763	11,763	0	0	0	0	0	0	0
National Institutes of Health ⁸	9,888,208	8,495,890	433,373	165,148	24,948	61,462	143,750	111,892	451,745
Office of the Secretary	9,000	0	0	0	0	0	0	9,000	0

See explanatory information, if any, and SOURCE at end of table

Table C-21. Preliminary Federal obligations for research, by agency and field of science and engineering:
fiscal year 1996

[Dollars in thousands]

Page 2 of 3

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Dept of Housing & Urban Dvlpmt	12,162	0	0	0	111	265	253	10,855	678
Department of the Interior, total	533,603	133,517	0	40,117	311,898	18,166	20,815	14,423	667
Bureau of Reclamation	4,523	0	0	0	0	0	4,523	0	0
Geological Survey ²	494,529	129,778	0	39,714	295,945	17,138	11,623	331	0
Minerals Management Service	20,774	39	0	0	13,906	817	4,206	1,806	0
National Park Service ¹⁰	19,777	3,700	0	403	2,047	211	463	12,286	667
Department of Justice, total	27,219	1,000	1,975	1,000	0	0	400	20,249	2,595
Bureau of Prisons	1,900	0	475	0	0	0	0	1,425	0
Drug Enforcement Administration	45	0	0	0	0	0	0	0	45
Immigration & Naturalization Svc	400	0	0	0	0	0	400	0	0
Office of Justice Programs	24,874	1,000	1,500	1,000	0	0	0	18,824	2,550
Department of Labor, total	24,687	0	0	0	0	0	0	24,687	0
Bureau of Labor Statistics	13,300	0	0	0	0	0	0	13,300	0
Employment & Training Admin	3,023	0	0	0	0	0	0	3,023	0
Occupational Safety & Hlth Admin	3,175	0	0	0	0	0	0	3,175	0
Office of the Secretary	2,871	0	0	0	0	0	0	2,871	0
Pension Benefit Guaranty Corp	53	0	0	0	0	0	0	53	0
Pension & Welfare Benefits Admin	2,265	0	0	0	0	0	0	2,265	0
Department of State	4,250	0	0	0	0	0	0	4,250	0
Department of Transportation, total	333,972	8,484	24,621	1,400	6,033	85,504	177,196	11,914	18,820
Coast Guard	5,010	0	673	0	673	1,248	2,416	0	0
Federal Aviation Administration	60,373	2,500	23,731	1,000	865	0	31,797	0	480
Federal Highway Administration	198,126	624	217	0	4,495	73,642	93,922	6,886	18,340
Federal Railroad Administration	19,913	0	0	0	0	314	19,599	0	0
Federal Transit Administration	5,515	0	0	0	0	389	4,602	524	0
National Highway Traffic Safety Administration	38,185	5,360	0	0	0	8,561	20,160	4,104	0
Research & Special Programs Admin	6,850	0	0	400	0	1,350	4,700	400	0
Department of the Treasury, total	50,262	160	424	1,934	0	14,500	2	33,242	0
Bureau of Engraving & Printing	1,276	0	0	1,274	0	0	2	0	0
Internal Revenue Service	47,196	0	0	0	0	14,500	0	32,696	0
Office of Thrift Supervision	546	0	0	0	0	0	0	546	0
United States Customs Service	660	0	0	660	0	0	0	0	0
United States Secret Service ¹¹	584	160	424	0	0	0	0	0	0
Department of Veterans Affairs	253,813	236,952	16,656	0	0	0	205	0	0

See explanatory information, if any, and SOURCE at end of table

Table C-21. Preliminary Federal obligations for research, by agency and field of science and engineering: fiscal year 1996

[Dollars in thousands]

Page 3 of 3

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Other agencies:									
Advisory Commission on Intergovernmental Relations	1,402	0	0	0	0	0	0	1,402	0
Appalachian Regional Commission	900	0	0	0	0	0	0	900	0
Environmental Protection Agency	352,170	97,368	0	0	150,704	0	104,098	0	0
Federal Communications Commission	2,819	0	0	85	0	160	1,457	1,117	0
Federal Trade Commission	981	0	0	0	0	0	0	981	0
International Development Cooperation Agency, total	226,749	210,039	0	0	0	0	0	14,863	1,847
Agency for International Development	226,749	210,039	0	0	0	0	0	14,863	1,847
Library of Congress	1,827	0	0	0	0	0	0	0	1,827
Natl Aeronautics & Space Admin ¹²	4,281,576	277,451	20,148	1,059,462	1,029,015	83,508	1,781,767	370	29,855
National Archives & Records Admin	120	0	0	120	0	0	0	0	0
National Science Foundation	2,141,712	339,468	15,712	492,254	431,815	216,112	426,889	80,643	138,819
Nuclear Regulatory Commission	59,184	0	0	0	0	0	59,184	0	0
Smithsonian Institution	125,400	48,915	0	35,426	5,775	0	0	33,679	1,605
Social Security Administration ¹³	8,292	0	0	0	0	0	0	8,292	0
Tennessee Valley Authority	31,130	13,652	0	6,795	1,103	0	2,722	555	6,303
US Arms Control & Disarmament Agency	545	0	0	340	0	0	0	180	25
United States Information Agency	150	0	0	0	0	0	150	0	0
US Internat'l Trade Commission	12,695	0	0	0	0	0	0	12,695	0

¹ The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.

² The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research Education, and Extension Service, due to a reorganization within the Department of Agriculture.

³ The Office of International Cooperation & Development became part of the Foreign Agricultural Service (FAS) in June 1994. Data reported for FAS include funds appropriated to International Cooperation & Development programs within FAS as of fiscal year 1994.

⁴ The Federal Grain Inspection Service was abolished on Oct. 20, 1994, and its functions were assumed by the Grain Inspection Packers & Stockyards Administration.

⁵ This agency's name changed from the Rural Business & Cooperative Development Service to the Rural Business Cooperative Service on Jan. 30, 1996.

⁶ This agency's name changed to the Advanced Research Projects Agency on July 13, 1993, and it was changed back to Defense Advanced Research Projects Agency in February 1996.

⁷ Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services' submission as of Vol. 45.

⁸ Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.

⁹ As of fiscal year 1996, data for the National Biological Service (NBS) are included with the Geological Survey's submission, since NBS's funding comes from the Geological Survey's congressional appropriation.

¹⁰ The National Biological Service's (NBS) name changed from the National Biological Survey on Jan. 5, 1995. As of fiscal year 1994, NBS performs all biological research activities formerly funded by the United States Fish & Wildlife Service and the National Park Service.

¹¹ The United States Secret Service was formerly listed as the Office of Protective Research.

¹² The National Aeronautics and Space Administration has made a statistical adjustment to the 1994, 1995, 1996, and 1997 field of science and engineering values to diminish a computational error introduced by its software.

¹³ As of Mar. 31, 1995, the Social Security Administration became an independent agency; it is no longer part of the Department of Health & Human Services.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997.

Table C-22. Preliminary Federal obligations for research, by agency and field of science and engineering: fiscal year 1997

[Dollars in thousands]

Page 1 of 3

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Total, all agencies	29,173,536	12,299,589	650,244	4,398,227	2,955,071	1,545,836	5,707,682	727,632	889,255
Departments									
Department of Agriculture, total	1,286,264	987,049	417	92,878	12,592	17,007	61,804	111,057	3,460
Agricultural Marketing Service	4,271	4,271	0	0	0	0	0	0	0
Agricultural Research Service ¹	640,888	561,015	0	62,037	4,695	2,682	10,459	0	0
Cooperative State Research, Education, & Extension Service ²	402,172	312,877	0	23,592	2,317	0	21,125	42,261	0
Economic Research Service	54,947	0	0	0	0	0	0	54,947	0
Foreign Agricultural Service ³	1,422	1,422	0	0	0	0	0	0	0
Forest Service	174,393	104,634	417	7,249	5,580	10,384	30,220	12,449	3,460
Grant Inspection Packers & Stockyards Administration ⁴	2,830	2,830	0	0	0	0	0	0	0
Natl Agricultural Statistics Svc	3,941	0	0	0	0	3,941	0	0	0
Rural Business-Cooperative Svc ⁵	1,400	0	0	0	0	0	0	1,400	0
Department of Commerce, total	868,560	144,264	281	107,643	270,829	100,783	182,120	21,087	41,553
Bureau of the Census	2,871	0	281	0	0	1,864	0	664	62
Economic Development Admin	1,500	0	0	0	0	0	0	1,500	0
National Inst of Standards & Tech	366,301	30,393	0	87,309	491	79,847	168,049	212	0
Natl Oceanic & Atmospheric Admin	493,143	113,871	0	20,334	270,338	19,072	9,326	18,711	41,491
National Telecommunications & Information Administration	4,745	0	0	0	0	0	4,745	0	0
Department of Defense, total	3,861,536	292,950	125,685	533,816	228,821	652,399	1,906,136	3,909	117,820
Department of the Army	672,084	98,817	14,620	70,583	35,756	95,012	350,919	1,260	5,117
Department of the Navy	853,725	44,332	30,072	199,395	111,131	58,165	393,996	0	16,634
Department of the Air Force	872,575	86,212	65,280	149,974	20,747	90,515	458,706	0	1,141
Defense Agencies, total	1,463,152	63,589	15,713	113,864	61,187	408,707	702,515	2,649	94,928
Ballistic Missile Defense Organization	95,693	0	0	37,234	0	24,800	33,659	0	0
Defense Advanced Research Projects Agency ⁶	796,699	0	0	2,246	0	318,739	466,786	0	8,928
Defense Information Systems Agency	1,849	0	0	0	0	0	0	0	1,849
Defense Logistics Agency	7,785	0	7,785	0	0	0	0	0	0
Defense Nuclear Agency	196,954	4,032	0	42,995	1,910	2,247	61,997	0	83,773
Special Operations Command	15,048	459	0	0	0	0	14,211	0	378
Washington Headquarters Svcs ⁷	349,124	59,098	7,928	31,389	59,277	62,921	125,862	2,649	0
Department of Education	142,710	12,186	3,331	0	0	833	6,663	119,697	0
Department of Energy	3,575,140	238,358	0	1,840,193	438,447	246,689	777,543	553	33,357
Dept of Health & Human Svcs, total	10,768,129	9,283,484	441,146	168,127	25,395	69,494	146,336	154,281	479,866
Admin for Children & Families	17,522	0	0	0	0	0	0	17,522	0
Agcy for Hlth Care Policy & Rsch	77,000	36,190	0	0	0	6,930	0	13,860	20,020
Centers for Disease Control & Prevention	361,181	361,181	0	0	0	0	0	0	0
Food & Drug Administration	170,462	170,462	0	0	0	0	0	0	0
Health Care Financing Admin	55,310	55,310	0	0	0	0	0	0	0
Health Resources & Services Admin	11,668	11,668	0	0	0	0	0	0	0
National Institutes of Health ⁸	10,065,986	8,648,673	441,146	168,127	25,395	62,564	146,336	113,899	459,846
Office of the Secretary	9,000	0	0	0	0	0	0	9,000	0

See explanatory information, if any, and SOURCE at end of table

Table C-22. Preliminary Federal obligations for research, by agency and field of science and engineering:
fiscal year 1997

[Dollars in thousands]

Page 2 of 3

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Dept of Housing & Urban Dvlpmt	16,690	0	0	0	133	136	296	14,935	1,190
Department of the Interior, total	546,105	140,649	0	39,534	310,004	18,247	21,631	15,373	667
Bureau of Reclamation	5,730	0	0	0	0	0	5,730	0	0
Geological Survey ⁹	498,959	136,910	0	38,984	293,977	17,215	11,514	359	0
Minerals Management Service	20,579	39	0	0	13,980	821	3,924	1,815	0
National Park Service ¹⁰	20,837	3,700	0	550	2,047	211	463	13,199	667
Department of Justice, total	35,211	1,000	1,475	1,000	0	0	400	30,002	1,334
Bureau of Prisons	1,900	0	475	0	0	0	0	1,425	0
Drug Enforcement Administration	50	0	0	0	0	0	0	0	50
Immigration & Naturalization Svc	400	0	0	0	0	0	400	0	0
Office of Justice Programs	32,861	1,000	1,000	1,000	0	0	0	28,577	1,284
Department of Labor, total	23,770	0	0	0	0	0	0	23,570	200
Bureau of Labor Statistics	12,600	0	0	0	0	0	0	12,600	0
Employment & Training Admin	2,375	0	0	0	0	0	0	2,375	0
Occupational Safety & Hlth Admin	3,495	0	0	0	0	0	0	3,495	0
Office of the Secretary	2,918	0	0	0	0	0	0	2,718	200
Pension Benefit Guaranty Corp	54	0	0	0	0	0	0	54	0
Pension & Welfare Benefits Admin	2,328	0	0	0	0	0	0	2,328	0
Department of State	4,250	0	0	0	0	0	0	4,250	0
Department of Transportation, total	394,311	12,307	25,308	2,558	7,341	112,962	194,662	12,125	27,048
Coast Guard	4,944	0	618	0	610	1,208	2,508	0	0
Federal Aviation Administration	67,570	4,178	24,543	2,258	1,696	0	28,711	0	6,184
Federal Highway Administration	235,356	719	147	0	4,950	99,715	102,623	6,338	20,864
Federal Railroad Administration	23,495	0	0	0	0	100	23,395	0	0
Federal Transit Administration	5,802	0	0	0	0	113	5,120	569	0
Maritime Administration	2,006	0	0	0	85	0	1,836	85	0
National Highway Traffic Safety Administration	45,663	7,410	0	0	0	10,376	23,044	4,833	0
Research & Special Programs Admin	9,475	0	0	300	0	1,450	7,425	300	0
Department of the Treasury, total	53,901	510	455	1,423	0	14,500	100	36,913	0
Bureau of Engraving & Printing	1,173	0	0	1,073	0	0	100	0	0
Internal Revenue Service	50,830	0	0	0	0	14,500	0	36,330	0
Office of Thrift Supervision	583	0	0	0	0	0	0	583	0
United States Customs Service	700	350	0	350	0	0	0	0	0
United States Secret Service ¹¹	615	160	455	0	0	0	0	0	0
Department of Veterans Affairs	236,174	220,354	15,620	0	0	0	200	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-22. Preliminary Federal obligations for research, by agency and field of science and engineering: fiscal year 1997

[Dollars in thousands]

Page 3 of 3

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Other agencies									
Appalachian Regional Commission	900	0	0	0	0	0	0	900	0
Environmental Protection Agency	410,553	113,510	0	0	175,688	0	121,355	0	0
Federal Communications Commission	2,749	0	0	90	0	142	1,485	1,032	0
Federal Trade Commission	1,034	0	0	0	0	0	0	1,034	0
International Development Cooperation Agency, total	172,740	155,752	0	0	0	0	0	14,247	2,741
Agency for International Development	172,740	155,752	0	0	0	0	0	14,247	2,741
Library of Congress	1,886	0	0	0	0	0	0	0	1,886
Natl Aeronautics & Space Admin ¹²	4,240,540	274,793	19,954	1,049,307	1,019,153	82,707	1,764,691	347	29,588
National Archives & Records Admin	120	0	0	120	0	0	0	0	0
National Science Foundation	2,278,922	360,073	16,572	521,659	457,305	229,828	462,135	85,032	146,318
Nuclear Regulatory Commission	59,014	0	0	0	0	0	59,014	0	0
Smithsonian Institution	136,800	53,321	0	38,453	6,407	0	0	36,859	1,760
Social Security Administration ¹³	27,698	0	0	0	0	0	0	27,698	0
Tennessee Valley Authority	14,182	8,999	0	916	2,956	29	945	0	337
US Arms Control & Disarmament Agency	1,000	30	0	510	0	80	30	220	130
United States Information Agency	136	0	0	0	0	0	136	0	0
US International Trade Commission	12,511	0	0	0	0	0	0	12,511	0

- 1 The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.
- 2 The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.
- 3 The Office of International Cooperation & Development became part of the Foreign Agricultural Service (FAS) in June 1994. Data reported for FAS include funds appropriated to International Cooperation & Development programs within FAS as of fiscal year 1994.
- 4 The Federal Grain Inspection Service was abolished on Oct. 20, 1994, and its functions were assumed by the Grain Inspection Packers & Stockyards Administration.
- 5 This agency's name changed from the Rural Business & Cooperative Development Service to the Rural Business-Cooperative Service on Jan. 30, 1996.
- 6 This agency's name changed to the Advanced Research Projects Agency on July 13, 1993, and it was changed back to Defense Advanced Research Projects Agency in February 1996.
- 7 Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services' submission as of Vol. 45.
- 8 Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.
- 9 As of fiscal year 1996, data for the National Biological Service (NBS) are included with the Geological Survey's submission, since NBS's funding comes from the Geological Survey's congressional appropriation.
- 10 The National Biological Service's (NBS) name changed from the National Biological Survey on Jan. 5, 1995. As of fiscal year 1994, NBS performs all biological research activities formerly funded by the United States Fish & Wildlife Service and the National Park Service.
- 11 The United States Secret Service was formerly listed as the Office of Protective Research.
- 12 The National Aeronautics and Space Administration has made a statistical adjustment to the 1994, 1995, 1996, and 1997 field of science and engineering values to diminish a computational error introduced by its software.
- 13 As of Mar. 31, 1995, the Social Security Administration became an independent agency; it is no longer part of the Department of Health & Human Services.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development, Fiscal Years 1995, 1996, and 1997

Table C-23. Federal obligations for research in psychology and life sciences, by agency and detailed field of science: fiscal year 1995

[Dollars in thousands]

Page 1 of 2

Agency and subdivision	Psychology				Life sciences					
	Total	Bio-logical aspects	Social aspects	Psycho-logical sciences, n.e.c.	Total	Bio-logical	Environ-mental biology	Agricul-tural	Medical	Life sciences, n.e.c.
Total, all agencies	620,796	57,006	156,303	407,477	11,869,420	4,803,882	891,524	733,152	5,004,566	436,296
Departments										
Department of Agriculture, total	448	0	448	0	987,939	130,157	206,547	623,596	27,628	11
Agricultural Marketing Service	0	0	0	0	4,180	0	0	4,180	0	0
Agricultural Research Service ¹	0	0	0	0	556,750	27,899	56,515	459,913	12,412	11
Cooperative State Research Education, & Extension Service ²	0	0	0	0	312,446	79,034	68,075	155,666	9,671	0
Foreign Agricultural Service ³	0	0	0	0	457	0	0	457	0	0
Forest Service	448	0	448	0	112,622	23,224	81,957	1,896	5,545	0
Grain Inspection Packers & Stockyards Administration ⁴	0	0	0	0	1,484	0	0	1,484	0	0
Department of Commerce, total	287	0	287	0	150,587	37,907	70,708	21,847	19,284	841
Bureau of the Census	287	0	287	0	0	0	0	0	0	0
National Inst of Standards & Tech	0	0	0	0	33,546	19,084	0	0	14,462	0
Natl Oceanic & Atmospheric Admin	0	0	0	0	117,041	18,823	70,708	21,847	4,822	841
Department of Defense, total	117,477	14,814	89,706	12,957	421,754	64,577	76,827	0	237,948	42,402
Department of the Army	15,163	640	12,137	2,386	184,217	11,854	2,451	0	166,340	3,572
Department of the Navy	31,909	11,116	18,219	2,574	52,425	24,135	13,776	0	14,514	0
Department of the Air Force	58,983	1,150	52,288	5,545	72,726	12,073	34,747	0	21,567	4,339
Defense Agencies, total	11,422	1,908	7,062	2,452	112,386	16,515	25,853	0	35,527	34,491
Defense Logistics Agency	7,062	0	7,062	0	0	0	0	0	0	0
Defense Nuclear Agency	0	0	0	0	4,411	4,361	0	0	50	0
Special Operations Command	0	0	0	0	1,218	0	0	0	0	1,218
Washington Headquarters Svcs ⁵	4,360	1,908	0	2,452	106,757	12,154	25,853	0	35,477	33,273
Department of Education	3,688	0	2,576	1,112	13,412	0	0	0	4,721	8,691
Department of Energy	0	0	0	0	256,121	198,884	2,173	0	47,374	7,690
Dept of Health & Human Svcs, total	410,659	21,895	8,000	380,764	8,651,148	3,881,156	63,290	62,135	4,353,848	290,719
Agcy for Hlth Care Policy & Rsch	1,116	21	732	363	57,864	0	0	0	46,619	11,245
Centers for Disease Control & Prevention	0	0	0	0	317,385	0	0	0	317,385	0
Food & Drug Administration	0	0	0	0	170,462	90,337	0	62,135	0	17,990
Health Care Financing Admin	0	0	0	0	74,537	0	0	0	0	74,537
Health Resources & Services Admin	0	0	0	0	12,211	0	0	0	12,211	0
National Institutes of Health ⁶	409,543	21,874	7,268	380,401	8,018,689	3,790,819	63,290	0	3,977,633	186,947
Department of the Interior, total	0	0	0	0	145,340	76,099	69,040	201	0	0
Geological Survey ⁷	0	0	0	0	2,826	1,270	1,424	132	0	0
Minerals Management Service	0	0	0	0	4	0	4	0	0	0
National Biological Service ⁸	0	0	0	0	138,810	73,569	65,241	0	0	0
National Park Service ⁹	0	0	0	0	3,700	1,260	2,371	69	0	0
Department of Justice, total	2,059	542	875	642	750	400	0	0	0	350
Bureau of Prisons	532	0	325	207	0	0	0	0	0	0
Office of Justice Programs	1,527	542	550	435	750	400	0	0	0	350

See explanatory information, if any, and SOURCE at end of table.

Table C-23. Federal obligations for research in psychology and life sciences, by agency and detailed field of science: fiscal year 1995

[Dollars in thousands]

Page 2 of 2

Agency and subdivision	Psychology				Life sciences					
	Total	Bio-logical aspects	Social aspects	Psycho-logical sciences, n.e.c.	Total	Bio-logical	Environ-mental biology	Agri-cultural	Medical	Life sciences, n.e.c.
Department of Transportation, total	34,927	0	31,752	3,175	5,773	0	47	186	0	5,540
Coast Guard	590	0	590	0	0	0	0	0	0	0
Federal Aviation Administration	30,680	0	30,680	0	0	0	0	0	0	0
Federal Highway Administration	3,657	0	482	3,175	233	0	47	186	0	0
National Highway Traffic Safety Administration	0	0	0	0	5,540	0	0	0	0	5,540
Department of the Treasury, total	394	0	0	394	633	480	0	0	153	0
United States Customs Service	0	0	0	0	480	480	0	0	0	0
United States Secret Service ⁹	394	0	0	394	153	0	0	0	153	0
Department of Veterans Affairs	16,491	16,461	30	0	202,124	36,400	0	0	165,724	0
Other agencies										
Environmental Protection Agency	0	0	0	0	111,029	0	89,971	0	21,058	0
International Development Cooperation Agency, total	0	0	0	0	262,288	0	186,660	14,017	8,240	53,371
Agency for International Development	0	0	0	0	262,288	0	186,660	14,017	8,240	53,371
Natl Aeronautics & Space Admin ¹⁰	19,041	68	14,668	4,305	262,196	116,383	9,940	571	118,588	16,714
National Science Foundation	15,315	3,226	7,961	4,128	341,040	241,535	89,588	0	0	9,917
Smithsonian Institution	0	0	0	0	46,637	19,904	26,733	0	0	0
Tennessee Valley Authority	0	0	0	0	10,599	0	0	10,599	0	0
US Arms Control & Disarmament Agcy	0	0	0	0	50	0	0	0	0	50

¹ The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.

² The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.

³ The Office of International Cooperation & Development became part of the Foreign Agricultural Service (FAS) in June 1994. Data reported for FAS include funds appropriated to International Cooperation & Development programs within FAS as of fiscal year 1994.

⁴ The Federal Grain Inspection Service was abolished on Oct. 20, 1994, and its functions were assumed by the Grain Inspection Packers & Stockyards Administration.

⁵ Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services' submission as of Vol 45.

⁶ Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.

⁷ As of fiscal year 1996, data for the National Biological Service (NBS) are included with the Geological Survey's submission, since NBS's funding comes from the Geological Survey's congressional appropriation.

⁸ The National Biological Service's (NBS) name changed from the National Biological Survey on Jan. 5, 1995. As of fiscal year 1994, NBS performs all biological research activities formerly funded by the United States Fish & Wildlife Service and the National Park Service.

⁹ The United States Secret Service was formerly listed as the Office of Protective Research.

¹⁰ The National Aeronautics and Space Administration has made a statistical adjustment to the 1994, 1995, 1996, and 1997 field of science and engineering values to diminish a computational error introduced by its software.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997.

BEST COPY AVAILABLE

Table C-24. Federal obligations for research in physical and environmental sciences, by agency and detailed field of science: fiscal year 1995

[Dollars in thousands]

Page 1 of 2

Agency and subdivision	Physical sciences					Environmental sciences				
	Total	Astronomy	Chemistry	Physics	Physical sciences, n.e.c.	Total	Atmospheric	Geological	Oceanography	Environmental sciences, n.e.c.
Total: all agencies	4,281,568	764,911	866,213	2,451,288	199,156	2,947,385	1,176,125	864,200	424,026	483,034
Departments										
Department of Agriculture, total	88,918	0	84,631	4,287	0	13,421	11,815	1,597	0	9
Agricultural Research Service ¹	55,242	0	52,798	2,444	0	4,302	4,043	250	0	9
Cooperative State Research Education & Extension Service ²	25,875	0	25,875	0	0	3,113	3,113	0	0	0
Forest Service	7,801	0	5,958	1,843	0	6,006	4,659	1,347	0	0
Department of Commerce, total	102,683	860	43,499	57,586	738	290,811	140,884	43,643	95,930	10,354
National Inst of Standards & Tech	81,242	860	31,794	47,850	738	440	0	440	0	0
Natl Oceanic & Atmospheric Admin	21,441	0	11,705	9,736	0	290,371	140,884	43,203	95,930	10,354
Department of Defense, total	561,036	8,228	145,101	370,023	37,684	347,907	100,749	78,051	104,846	64,261
Department of the Army	97,521	0	44,571	37,497	15,453	51,000	14,998	3,869	1,052	31,081
Department of the Navy	202,154	4,500	42,111	152,766	2,777	116,437	20,761	27,322	68,354	0
Department of the Air Force	149,741	3,275	33,976	111,374	1,116	30,706	12,814	12,767	0	5,125
Defense Agencies, total	111,620	453	24,443	68,386	18,338	149,764	52,176	34,093	35,440	28,055
Ballistic Missile Defense Organization	18,450	0	4,505	12,945	1,000	4,553	4,553	0	0	0
Defense Advanced Research Projects Agency ³	10,168	0	2,839	4,678	2,551	23,844	0	17,151	6,666	27
Defense Nuclear Agency	46,189	0	0	33,615	12,574	12,490	5,760	0	0	6,730
Washington Headquarters Svcs ⁴	36,813	453	17,099	17,148	2,113	108,877	41,863	16,942	28,774	21,298
Department of Energy	1,799,182	0	216,712	1,499,497	82,973	382,213	97,680	100,277	8,158	176,098
Dept of Health & Human Svcs, total	155,685	0	137,447	18,238	0	23,853	0	0	0	23,853
National Institutes of Health ⁵	155,685	0	137,447	18,238	0	23,853	0	0	0	23,853
Dept of Housing & Urban Dvlpmt	0	0	0	0	0	156	0	0	0	156
Department of the Interior, total	38,643	0	32,291	6,352	0	293,845	3,126	278,076	12,643	0
Geological Survey ⁶	38,113	0	31,761	6,352	0	278,827	751	278,076	0	0
Minerals Management Service	0	0	0	0	0	12,971	402	0	12,569	0
National Park Service ⁷	530	0	530	0	0	2,047	1,973	0	74	0
Department of Justice, total	900	0	300	0	600	0	0	0	0	0
Office of Justice Programs	900	0	300	0	600	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-24. Federal obligations for research in physical and environmental sciences, by agency and detailed field of science: fiscal year 1995

[Dollars in thousands]

Page 2 of 2

Agency and subdivision	Physical sciences					Environmental sciences				
	Total	Astronomy	Chemistry	Physics	Physical sciences, n.e.c.	Total	Atmospheric	Geological	Oceanography	Environmental sciences, n.e.c.
Department of Transportation, total	1,389	0	0	1,189	200	6,717	4,220	125	581	1,791
Coast Guard	0	0	0	0	0	581	0	0	581	0
Federal Aviation Administration	1,189	0	0	1,189	0	1,524	1,524	0	0	0
Federal Highway Administration	0	0	0	0	0	4,412	2,571	100	0	1,741
Federal Transit Administration	0	0	0	0	0	25	0	25	0	0
Maritime Administration	0	0	0	0	0	125	125	0	0	0
Office of the Secretary	0	0	0	0	0	50	0	0	0	50
Research & Special Programs Admin	200	0	0	0	200	0	0	0	0	0
Department of the Treasury, total	1,226	0	243	173	810	0	0	0	0	0
Bureau of Engraving & Printing	1,226	0	243	173	810	0	0	0	0	0
Other agencies										
Environmental Protection Agency	0	0	0	0	0	171,874	80,149	11,183	0	80,542
Federal Communications Commission	80	0	0	0	80	0	0	0	0	0
Natl Aeronautics & Space Admin ³	1,001,190	593,089	49,471	320,343	38,287	972,418	586,464	196,629	122,533	66,792
National Archives & Records Admin	120	0	80	40	0	0	0	0	0	0
National Science Foundation	485,798	126,225	149,797	172,094	37,682	437,742	150,019	149,571	78,974	59,178
Smithsonian Institution	38,417	36,509	612	1,296	0	5,486	77	5,048	361	0
Tennessee Valley Authority	5,785	0	5,785	0	0	942	942	0	0	0
US Arms Control & Disarmament Agcy	516	0	244	170	102	0	0	0	0	0

¹ The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.

² The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.

³ This agency's name changed to the Advanced Research Projects Agency on July 13, 1993, and it was changed back to Defense Advanced Research Projects Agency in February 1996.

⁴ Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services' submission as of Vol. 45.

⁵ Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.

⁶ As of fiscal year 1996, data for the National Biological Service (NBS) are included with the Geological Survey's submission, since NBS's funding comes from the Geological Survey's congressional appropriation.

⁷ The National Biological Service's (NBS) name changed from the National Biological Survey on Jan. 5, 1995. As of fiscal year 1994, NBS performs all biological research activities formerly funded by the United States Fish & Wildlife Service and the National Park Service.

⁸ The National Aeronautics and Space Administration has made a statistical adjustment to the 1994, 1995, 1996, and 1997 field of science and engineering values to diminish a computational error introduced by its software.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997.

Table C-25. Federal obligations for research in engineering, by agency and detailed field of engineering: fiscal year 1995

[Dollars in thousands]

Page 1 of 2

Agency and subdivision	Total	Aero- nautical	Astro- nauti- cal	Chemical	Civil	Elec- trical	Mechan- ical	Metal- lurgy and materials	Engi- neering, n.e.c.
Total, all agencies	5,740,088	1,248,561	545,098	250,407	340,442	765,854	418,064	793,349	1,378,313
Departments:									
Department of Agriculture, total	69,431	0	0	7,705	5,997	460	3,425	0	51,844
Agricultural Research Service ¹	9,629	0	0	5,167	1,692	386	593	0	1,791
Cooperative State Research, Education, & Extension Service ²	27,274	0	0	0	0	0	0	0	27,274
Forest Service	32,528	0	0	2,538	4,305	74	2,832	0	22,779
Department of Commerce, total	189,311	0	0	11,998	13,185	56,347	6,702	56,857	44,222
National Inst of Standards & Tech	173,515	0	0	11,998	13,185	48,056	6,702	56,857	36,717
Nat'l Oceanic & Atmospheric Admin	9,413	0	0	0	0	1,908	0	0	7,505
National Telecommunications & Information Administration	6,383	0	0	0	0	6,383	0	0	0
Department of Defense, total	2,057,848	140,619	84,144	42,772	83,869	571,862	273,915	464,765	395,902
Department of the Army	395,506	32,346	1,242	17,182	48,232	145,184	56,497	32,816	62,007
Department of the Navy	402,327	7,011	44,089	7,011	13,034	141,408	102,105	85,788	1,881
Department of the Air Force	404,965	83,272	36,613	6,247	11,652	98,106	69,689	69,111	30,275
Defense Agencies, total	855,050	17,990	2,200	12,332	10,951	187,164	45,624	277,050	301,739
Ballistic Missile Defense Organization	54,749	7,016	2,000	1,119	0	10,509	148	3,823	30,134
Defense Advanced Research Projects Agency ³	522,571	4,052	0	223	7,827	86,665	511	240,518	182,775
Defense Nuclear Agency	57,480	0	0	2,068	1,616	29,755	10,059	0	13,982
Special Operations Command	37,693	0	0	0	0	0	0	0	37,693
Washington Headquarters Svcs ⁴	182,557	6,922	200	8,922	1,508	60,235	34,906	32,709	37,155
Department of Education	5,737	0	0	0	0	0	0	0	5,737
Department of Energy	735,085	0	17,493	121,443	52,740	51,369	37,590	63,626	390,824
Dept of Health & Human Svcs, total	135,683	0	0	0	0	0	0	0	135,683
National Institutes of Health ⁵	135,683	0	0	0	0	0	0	0	135,683
Dept of Housing & Urban Dvlpmnt	750	0	0	0	0	0	0	0	750
Department of the Interior, total	21,475	0	0	12,318	7,864	126	836	135	196
Bureau of Reclamation	5,997	0	0	0	5,967	30	0	0	0
Geological Survey ⁶	11,198	0	0	10,164	781	96	157	0	0
Minerals Management Service	3,817	0	0	2,154	653	0	679	135	196
National Park Service ⁷	463	0	0	0	463	0	0	0	0
Department of Justice, total	400	0	0	0	0	175	225	0	0
Immigration & Naturalization Svc	400	0	0	0	0	175	225	0	0

See explanatory information, if any, and SOURCE at end of table

Table C-25. Federal obligations for research in engineering, by agency and detailed field of engineering: fiscal year 1995

[Dollars in thousands]

Page 2 of 2

Agency and subdivision	Total	Aero- nautical	Astro- nauti- cal	Chemical	Civil	Elec- trical	Mechan- ical	Metal- lurgy and materials	Engi- neering, n.e.c.
Department of Transportation, total	196,746	275	0	70	135,236	2,794	20,642	10,573	27,156
Coast Guard	2,444	0	0	0	408	1,104	485	447	0
Federal Aviation Administration	48,539	0	0	0	40,541	0	0	7,998	0
Federal Highway Administration	93,511	0	0	70	88,661	100	1,594	1,378	1,708
Federal Railroad Administration	22,041	0	0	0	3,648	1,323	9,923	750	6,397
Federal Transit Administration	4,678	0	0	0	190	267	240	0	3,981
Maritime Administration	2,163	0	0	0	1,788	0	0	0	375
National Highway Traffic Safety Administration	21,306	0	0	0	0	0	8,400	0	12,906
Office of the Secretary	525	275	0	0	0	0	0	0	250
Research & Special Programs Admin	1,539	0	0	0	0	0	0	0	1,539
Department of the Treasury, total	98	0	0	0	0	0	0	0	98
Bureau of Engraving & Printing	98	0	0	0	0	0	0	0	98
Department of Veterans Affairs	191	0	0	0	0	0	0	0	191
Other agencies:									
Environmental Protection Agency	118,724	0	0	2,617	0	0	0	0	116,107
Federal Communications Commission	1,531	0	0	0	0	1,531	0	0	0
Natl Aeronautics & Space Admin ⁸	1,683,770	1,107,667	443,461	3,017	198	23,887	17,842	47,550	40,148
National Science Foundation	432,432	0	0	46,142	41,353	57,014	56,887	149,843	81,193
Nuclear Regulatory Commission	88,212	0	0	0	0	0	0	0	88,212
Tennessee Valley Authority	2,325	0	0	2,325	0	0	0	0	0
US Arms Control & Disarmament Agcy	50	0	0	0	0	0	0	0	50
United States Information Agency	289	0	0	0	0	289	0	0	0

- ¹ The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.
- ² The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.
- ³ This agency's name changed to the Advanced Research Projects Agency on July 13, 1993, and it was changed back to Defense Advanced Research Projects Agency in February 1996.
- ⁴ Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services' submission as of Vol. 45.
- ⁵ Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.
- ⁶ As of fiscal year 1996, data for the National Biological Service (NBS) are included with the Geological Survey's submission, since NBS's funding comes from the Geological Survey's congressional appropriation.
- ⁷ The National Biological Service's (NBS) name changed from the National Biological Survey on Jan. 5, 1995. As of fiscal year 1994, NBS performs all biological research activities formerly funded by the United States Fish & Wildlife Service and the National Park Service.
- ⁸ The National Aeronautics and Space Administration has made a statistical adjustment to the 1994, 1995, 1996, and 1997 field of science and engineering values to diminish a computational error introduced by its software.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

BEST COPY AVAILABLE

Table C-26. Federal obligations for research in mathematics and computer sciences and in social sciences, by agency and detailed field of science: fiscal year 1995

[Dollars in thousands]

Page 1 of 2

Agency and subdivision	Mathematics and computer sciences				Social sciences					
	Total	Mathematics	Computer sciences	Mathematics and computer sciences, n.e.c.	Total	Anthropology	Economics	Political science	Sociology	Social sciences, n.e.c.
Total: all agencies	1,530,877	359,221	961,877	209,779	681,518	22,079	205,940	24,136	48,509	380,854
Departments:										
Department of Agriculture, total	17,880	15,385	2,495	0	117,789	284	108,827	0	8,678	0
Agricultural Research Service ¹	2,685	190	2,495	0	0	0	0	0	0	0
Cooperative State Research, Education, & Extension Service ²	0	0	0	0	49,004	0	41,424	0	7,580	0
Economic Research Service	0	0	0	0	53,827	0	53,827	0	0	0
Forest Service	11,176	11,176	0	0	13,397	284	12,015	0	1,098	0
Natl. Agricultural Statistics Svc	4,019	4,019	0	0	0	0	0	0	0	0
Rural Business-Cooperative Svc ³	0	0	0	0	1,561	0	1,561	0	0	0
Department of Commerce, total	102,369	12,643	83,784	5,942	18,827	0	5,362	7,690	5,229	546
Bureau of the Census	1,902	1,685	217	0	678	0	372	306	0	0
Economic Development Admin	0	0	0	0	521	0	521	0	0	0
National Inst. of Standards & Tech	83,165	3,055	74,168	5,942	183	0	183	0	0	0
Natl. Oceanic & Atmospheric Admin	17,302	7,903	9,399	0	17,445	0	4,286	7,384	5,229	546
Department of Defense, total	695,377	104,987	543,083	47,307	488	0	292	0	196	0
Department of the Army	100,247	13,089	52,535	34,623	488	0	292	0	196	0
Department of the Navy	60,472	23,840	35,785	847	0	0	0	0	0	0
Department of the Air Force	109,006	51,782	48,844	8,380	0	0	0	0	0	0
Defense Agencies, total	425,652	16,276	405,919	3,457	0	0	0	0	0	0
Ballistic Missile Defense Organization	23,501	1,000	22,441	60	0	0	0	0	0	0
Defense Advanced Research Projects Agency ⁴	354,899	7,069	347,239	591	0	0	0	0	0	0
Defense Nuclear Agency	2,838	0	2,838	0	0	0	0	0	0	0
Washington Headquarters Svcs ⁵	44,414	8,207	33,401	2,806	0	0	0	0	0	0
Department of Education	1,229	0	1,229	0	114,286	0	0	0	1,854	112,432
Department of Energy	223,195	97,305	97,179	28,711	500	500	0	0	0	0
Dept. of Health & Human Svcs., total	68,945	34,102	34,843	0	171,728	0	14,344	2,502	2,159	152,723
Administration on Aging	0	0	0	0	3,000	0	0	0	0	3,000
Admin. for Children & Families	0	0	0	0	11,200	0	0	0	0	11,200
Agcy. for Hlth. Care Policy & Rsch	10,764	128	10,636	0	22,245	0	14,344	2,502	2,159	3,240
National Institutes of Health ⁶	58,181	33,974	24,207	0	105,730	0	0	0	0	105,730
Office of the Secretary	0	0	0	0	9,121	0	0	0	0	9,121
Social Security Administration ⁷	0	0	0	0	20,432	0	0	0	0	20,432
Dept. of Housing & Urban Dvlpmt	31	0	31	0	10,619	0	6,103	331	748	3,437
Department of the Interior, total	18,139	3,049	13,771	1,319	14,327	4,782	76	0	1,852	7,617
Geological Survey ⁸	16,609	3,049	13,560	0	324	0	0	0	0	324
Minerals Management Service	1,319	0	0	1,319	1,899	17	69	0	1,813	0
National Park Service ⁹	211	0	211	0	12,104	4,765	7	0	39	7,293
Department of Justice, total	0	0	0	0	18,874	62	312	550	10,359	7,591
Bureau of Prisons	0	0	0	0	2,717	62	62	0	1,288	1,305
Office of Justice Programs	0	0	0	0	16,157	0	250	550	9,071	6,286
Department of Labor, total	0	0	0	0	28,248	0	28,248	0	0	0
Bureau of Labor Statistics	0	0	0	0	13,100	0	13,100	0	0	0
Employment & Training Admin	0	0	0	0	4,206	0	4,206	0	0	0
Occupational Safety & Hlth Admin	0	0	0	0	4,370	0	4,370	0	0	0
Office of the Secretary	0	0	0	0	2,872	0	2,872	0	0	0
Pension Benefit Guaranty Corp	0	0	0	0	102	0	102	0	0	0
Pension & Welfare Benefits Admin	0	0	0	0	3,598	0	3,598	0	0	0
Department of State	0	0	0	0	5,010	361	1,156	2,140	782	571

See explanatory information, if any, and SOURCE at end of table

Table C-26. Federal obligations for research in mathematics and computer sciences and in social sciences, by agency and detailed field of science: fiscal year 1995

[Dollars in thousands]

Page 2 of 2

Agency and subdivision	Mathematics and computer sciences				Social sciences					
	Total	Mathematics	Computer sciences	Mathematics and computer sciences, n.e.c.	Total	Anthropology	Economics	Political science	Sociology	Social sciences n.e.c.
Department of Transportation, total	90,247	149	16,595	73,503	15,784	0	4,641	1,392	6,615	3,136
Coast Guard	1,315	0	1,315	0	0	0	0	0	0	0
Federal Highway Administration	77,336	149	4,088	73,099	6,195	0	2,744	1,013	963	1,475
Federal Railroad Administration	504	0	364	140	0	0	0	0	0	0
Federal Transit Administration	684	0	420	264	5,479	0	1,682	379	1,919	1,499
Maritime Administration	0	0	0	0	162	0	0	0	0	162
National Highway Traffic Safety Administration	9,128	0	9,128	0	3,733	0	0	0	3,733	0
Office of the Secretary	0	0	0	0	15	0	15	0	0	0
Research & Special Programs Admin	1,280	0	1,280	0	200	0	200	0	0	0
Department of the Treasury, total	17,430	0	17,430	0	29,147	0	1,508	0	0	27,639
Internal Revenue Service	17,200	0	17,200	0	28,597	0	958	0	0	27,639
Office of Thrift Supervision	0	0	0	0	550	0	550	0	0	0
United States Customs Service	230	0	230	0	0	0	0	0	0	0
Other agencies										
Advisory Commission on Intergovernmental Relations	0	0	0	0	1,413	0	706	707	0	0
Appalachian Regional Commission	0	0	0	0	900	0	0	900	0	0
Federal Communications Commission	128	0	128	0	529	0	529	0	0	0
Federal Trade Commission	0	0	0	0	564	0	564	0	0	0
International Development Cooperation Agency, total	0	0	0	0	7,844	0	5,339	250	455	1,800
Agency for International Development	0	0	0	0	7,844	0	5,339	250	455	1,800
Natl Aeronautics & Space Admin ¹⁰	78,916	4,536	27,220	47,160	364	0	0	0	233	131
National Science Foundation	216,856	87,065	124,089	5,702	79,478	12,737	15,306	7,479	8,881	35,075
Smithsonian Institution	0	0	0	0	31,977	3,353	0	0	468	28,156
Tennessee Valley Authority	0	0	0	0	475	0	475	0	0	0
US Arms Control & Disarmament Agcy	135	0	0	135	195	0	0	195	0	0
US International Trade Commission	0	0	0	0	12,152	0	12,152	0	0	0

¹ The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.

² The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.

³ This agency's name changed from the Rural Business & Cooperative Development Service to the Rural Business-Cooperative Service on Jan. 30, 1996.

⁴ This agency's name changed to the Advanced Research Projects Agency on July 13, 1993, and it was changed back to Defense Advanced Research Projects Agency in February 1996.

⁵ Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services' submission as of Vol. 45.

⁶ Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.

⁷ As of Mar. 31, 1995, the Social Security Administration became an independent agency; it is no longer part of the Department of Health & Human Services.

⁸ As of fiscal year 1996, data for the National Biological Service (NBS) are included with the Geological Survey's submission, since NBS's funding comes from the Geological Survey's congressional appropriation.

⁹ The National Biological Service's (NBS) name changed from the National Biological Survey on Jan. 5, 1995. As of fiscal year 1994, NBS performs all biological research activities formerly funded by the United States Fish & Wildlife Service and the National Park Service.

¹⁰ The National Aeronautics and Space Administration has made a statistical adjustment to the 1994, 1995, 1996, and 1997 field of science and engineering values to diminish a computational error introduced by its software.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation SRS, Survey of Federal Funds for Research and Development, Fiscal Years 1995, 1996, and 1997

Table C-27. Federal obligations for basic research, by agency and performer: fiscal year 1995

[Dollars in thousands]

Page 1 of 2

Agency and subdivision	Total	Intra-mural ¹	Extramural							
			United States and territories							
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	Foreign
Total, all agencies	13,895,493	2,712,918	1,221,211	239,112	6,951,307	1,438,315	1,134,172	75,217	78,705	44,536
Departments										
Department of Agriculture, total	594,903	388,227	5,633	0	192,870	0	4,682	0	1,005	2,486
Agricultural Research Service ²	368,966	350,399	0	0	14,203	0	2,100	0	153	2,111
Cooperative State Research, Education, & Extension Service ³	185,992	8,269	5,624	0	169,287	0	2,243	0	569	0
Economic Research Service	5,383	5,065	0	0	318	0	0	0	0	0
Foreign Agricultural Service ⁴	343	257	0	0	86	0	0	0	0	0
Forest Service	32,897	22,915	9	0	8,976	0	339	0	283	375
Natl Agricultural Statistics Svc	1,322	1,322	0	0	0	0	0	0	0	0
Department of Commerce, total	39,258	34,607	761	0	3,581	125	184	0	0	0
Bureau of the Census	312	312	0	0	0	0	0	0	0	0
National Inst of Standards & Tech	38,946	34,295	761	0	3,581	125	184	0	0	0
Department of Defense, total	1,264,113	320,441	173,775	1,555	713,637	4,989	39,554	2,197	0	7,965
Department of the Army	218,790	127,471	13,253	825	71,100	335	3,227	6	0	2,573
Department of the Navy	409,419	139,031	28,195	0	210,598	407	27,003	0	0	4,185
Department of the Air Force	206,776	31,235	32,955	39	135,818	56	5,807	0	0	866
Defense Agencies, total	429,128	22,704	99,372	691	296,121	4,191	3,517	2,191	0	341
Ballistic Missile Defense Organization	10,742	210	7,532	0	3,000	0	0	0	0	0
Defense Advanced Research Projects Agency ⁵	94,587	5,961	51,679	691	28,561	3,191	2,717	1,446	0	341
Washington Headquarters Svcs ⁶	323,799	16,533	40,161	0	264,560	1,000	800	745	0	0
Department of Education	5,535	197	0	0	4,338	0	1,000	0	0	0
Department of Energy	1,634,353	36,855	24,515	163,263	369,311	959,828	15,757	61,415	1,763	1,646
Dept of Health & Human Svcs, total	6,061,057	1,193,839	279,979	74,284	3,555,562	15,399	851,092	9,734	57,017	24,151
Health Resources & Services Admin	1,010	1,010	0	0	0	0	0	0	0	0
National Institutes of Health ⁷	6,060,047	1,192,829	279,979	74,284	3,555,562	15,399	851,092	9,734	57,017	24,151
Department of the Interior, total	55,179	50,216	0	0	4,883	80	0	0	0	0
Geological Survey ⁸	41,649	37,649	0	0	4,000	0	0	0	0	0
National Biological Service ⁹	13,000	12,255	0	0	745	0	0	0	0	0
National Park Service ⁹	530	312	0	0	138	80	0	0	0	0
Department of Justice, total	8,121	45	58	0	3,287	0	3,445	0	1,286	0
Office of Justice Programs	8,121	45	58	0	3,287	0	3,445	0	1,286	0
Department of Labor, total	11,600	2,279	0	0	9,321	0	0	0	0	0
Bureau of Labor Statistics	11,600	2,279	0	0	9,321	0	0	0	0	0
Department of State	4,510	67	0	0	0	0	4,443	0	0	0

See explanatory information, if any, and SOURCE at end of table

Table C-27. Federal obligations for basic research, by agency and performer: fiscal year 1995

[Dollars in thousands]

Page 2 of 2

Agency and subdivision	Total	Intra- mural ¹	Extramural								Foreign
			United States and territories								
			Indus- trial firms	FFRDCs admin by indus- trial firms	Univer- sities and colleges	FFRDCs admin by univs and colleges	Other nonprofit insti- tutions	FFRDCs admin by non- profit insti- tutions	State and local govts		
Department of Transportation, total	46,880	1	0	0	0	15,949	17,479	0	13,451	0	
Federal Highway Administration	46,880	1	0	0	0	15,949	17,479	0	13,451	0	
Department of the Treasury, total	41	41	0	0	0	0	0	0	0	0	
Bureau of Engraving & Printing	41	41	0	0	0	0	0	0	0	0	
Department of Veterans Affairs	12,390	12,390	0	0	0	0	0	0	0	0	
Other agencies:											
Environmental Protection Agency	70,297	28,632	19,131	0	16,024	0	5,251	0	813	446	
International Development Cooperation Agency, total	2,297	365	0	0	21	0	1,911	0	0	0	
Agency for International Development	2,297	365	0	0	21	0	1,911	0	0	0	
Library of Congress	512	512	0	0	0	0	0	0	0	0	
National Aeronautics & Space Admin	1,978,193	494,548	636,359	0	480,168	301,133	59,733	1,292	661	4,299	
National Science Foundation	1,973,264	16,666	81,000	10	1,598,304	140,812	129,641	579	2,709	3,543	
Smithsonian Institution	124,000	124,000	0	0	0	0	0	0	0	0	
Tennessee Valley Authority	8,990	8,990	0	0	0	0	0	0	0	0	

¹ Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

² The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.

³ The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.

⁴ The Office of International Cooperation & Development became part of the Foreign Agricultural Service (FAS) in June 1994. Data reported for FAS include funds appropriated to International Cooperation & Development programs within FAS as of fiscal year 1994.

⁵ This agency's name changed to the Advanced Research Projects Agency on July 13, 1993, and it was changed back to Defense Advanced Research Projects Agency in February 1996.

⁶ Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services' submission as of Vol. 45.

⁷ Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.

⁸ As of fiscal year 1996, data for the National Biological Service (NBS) are included with the Geological Survey's submission, since NBS's funding comes from the Geological Survey's congressional appropriation.

⁹ The National Biological Service's (NBS) name changed from the National Biological Survey on Jan. 5, 1995. As of fiscal year 1994, NBS performs all biological research activities formerly funded by the United States Fish & Wildlife Service and the National Park Service.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation-SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

BEST COPY AVAILABLE

Table C-28. Preliminary Federal obligations for basic research, by agency and performer: fiscal year 1996

[Dollars in thousands]

Page 1 of 2

Agency and subdivision	Total	Intra-mural ¹	Extramural								Foreign
			United States and territories								
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts		
Total, all agencies	14,482,056	2,413,879	1,225,733	339,947	7,753,554	1,503,521	1,062,119	71,617	70,370	41,316	
Departments:											
Department of Agriculture, total	586,329	383,246	5,540	0	188,434	0	6,054	0	997	2,058	
Agricultural Research Service ²	367,666	347,410	0	0	14,947	0	3,473	0	153	1,683	
Cooperative State Research, Education, & Extension Service ³	180,744	8,175	5,532	0	164,233	0	2,242	0	562	0	
Economic Research Service	5,313	5,125	0	0	188	0	0	0	0	0	
Foreign Agricultural Service ⁴	1,067	978	0	0	89	0	0	0	0	0	
Forest Service	30,260	20,279	8	0	8,977	0	339	0	282	375	
Natl Agricultural Statistics Svc	1,279	1,279	0	0	0	0	0	0	0	0	
Department of Commerce, total	37,529	33,101	571	0	3,537	129	191	0	0	0	
Bureau of the Census	307	307	0	0	0	0	0	0	0	0	
National Inst of Standards & Tech	37,222	32,794	571	0	3,537	129	191	0	0	0	
Department of Defense, total	1,134,158	272,544	148,295	770	659,364	5,616	38,092	849	0	8,628	
Department of the Army	190,418	82,346	22,832	208	80,124	343	3,286	0	0	1,279	
Department of the Navy	373,175	123,705	25,679	0	191,453	1,116	24,915	158	0	5,949	
Department of the Air Force	233,793	55,444	47,380	0	122,919	68	6,894	29	0	1,059	
Defense Agencies, total	336,772	11,049	52,204	562	264,868	4,089	2,997	662	0	341	
Ballistic Missile Defense Organization	7,902	250	4,867	471	2,314	0	0	0	0	0	
Defense Advanced Research Projects Agency ⁵	65,971	3,061	28,592	91	26,563	4,089	2,997	237	0	341	
Washington Headquarters Svcs ⁶	262,899	7,738	18,745	0	235,991	0	0	425	0	0	
Department of Education	3,459	149	0	0	2,310	0	1,000	0	0	0	
Department of Energy	1,956,610	59,089	93,397	237,579	432,660	1,054,556	16,336	60,393	1,242	1,358	
Dept of Health & Human Svcs, total	6,441,509	907,801	214,749	100,481	4,351,544	13,370	772,928	8,565	50,554	21,517	
Administration on Aging	171	171	0	0	0	0	0	0	0	0	
Health Resources & Services Admin	800	800	0	0	0	0	0	0	0	0	
National Institutes of Health ⁷	6,440,538	906,830	214,749	100,481	4,351,544	13,370	772,928	8,565	50,554	21,517	
Department of the Interior, total	55,863	49,533	0	0	6,279	0	51	0	0	0	
Geological Survey ⁸	55,460	49,370	0	0	6,090	0	0	0	0	0	
National Park Service ⁹	403	163	0	0	189	0	51	0	0	0	
Department of Justice, total	8,300	41	40	0	2,600	0	4,886	0	733	0	
Office of Justice Programs	8,300	41	40	0	2,600	0	4,886	0	733	0	
Department of Labor, total	11,500	6,400	0	0	5,100	0	0	0	0	0	
Bureau of Labor Statistics	11,500	6,400	0	0	5,100	0	0	0	0	0	
Department of State	3,750	70	0	0	0	0	3,680	0	0	0	

See explanatory information, if any, and SOURCE at end of table

Table C-28. Preliminary Federal obligations for basic research, by agency and performer: fiscal year 1996

[Dollars in thousands]

Page 2 of 2

Agency and subdivision	Total	Intramural ¹	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univ. and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Department of Transportation, total	45,721	8	0	1,109	15,202	0	16,634	0	12,768	0
Federal Highway Administration	45,721	8	0	1,109	15,202	0	16,634	0	12,768	0
Department of the Treasury, total	53	53	0	0	0	0	0	0	0	0
Bureau of Engraving & Printing	53	53	0	0	0	0	0	0	0	0
Department of Veterans Affairs	14,372	14,372	0	0	0	0	0	0	0	0
Other agencies:										
Environmental Protection Agency	65,914	25,847	17,938	0	15,025	0	4,924	0	762	418
International Development Cooperation Agency, total	2,444	1,118	0	0	81	0	1,245	0	0	0
Agency for International Development	2,444	1,118	0	0	81	0	1,245	0	0	0
Library of Congress	442	442	0	0	0	0	0	0	0	0
National Aeronautics & Space Admin	2,009,237	502,309	666,222	0	480,168	294,301	60,544	1,255	644	3,794
National Science Foundation	1,967,676	19,566	78,981	8	1,591,250	135,549	135,554	555	2,670	3,543
Smithsonian Institution	125,400	125,400	0	0	0	0	0	0	0	0
Tennessee Valley Authority	11,790	11,790	0	0	0	0	0	0	0	0

¹ Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

² The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.

³ The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.

⁴ The Office of International Cooperation & Development became part of the Foreign Agricultural Service (FAS) in June 1994. Data reported for FAS include funds appropriated to International Cooperation & Development programs within FAS as of fiscal year 1994.

⁵ This agency's name changed to the Advanced Research Projects Agency on July 13, 1993, and it was changed back to Defense Advanced Research Projects Agency in February 1996.

⁶ Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services' submission as of Vol. 45.

⁷ Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.

⁸ As of fiscal year 1996, data for the National Biological Service (NBS) are included with the Geological Survey's submission, since NBS's funding comes from the Geological Survey's congressional appropriation.

⁹ The National Biological Service's (NBS) name changed from the National Biological Survey on Jan. 5, 1995. As of fiscal year 1994, NBS performs all biological research activities formerly funded by the United States Fish & Wildlife Service and the National Park Service.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation SRS, Survey of Federal Funds for Research and Development, Fiscal Years 1995, 1996, and 1997

Table C-29. Preliminary Federal obligations for basic research, by agency and performer: fiscal year 1997

[Dollars in thousands]

Page 1 of 2

Agency and subdivision	Total	Intra- mural ¹	Extramural								Foreign
			United States and territories								
			Indus- trial firms	FFRDCs admin by in- dustrial firms	Univer- sities and colleges	FFRDCs admin by univs and colleges	Other nonprofit insti- tutions	FFRDCs admin by non- profit insti- tutions	State and local govts		
Total, all agencies	14,732,254	2,667,782	1,279,074	368,295	7,405,489	1,519,706	1,270,164	82,910	92,313	46,521	
Departments											
Department of Agriculture, total	607,823	395,074	6,700	0	198,942	0	4,051	0	998	2,058	
Agricultural Research Service ²	376,173	357,921	0	0	14,947	0	1,469	0	153	1,683	
Cooperative State Research, Education, & Extension Service ³	193,227	8,988	6,692	0	174,741	0	2,243	0	563	0	
Economic Research Service	5,495	5,307	0	0	188	0	0	0	0	0	
Foreign Agricultural Service ⁴	1,067	978	0	0	89	0	0	0	0	0	
Forest Service	30,564	20,583	8	0	8,977	0	339	0	282	375	
Natl Agricultural Statistics Svc	1,297	1,297	0	0	0	0	0	0	0	0	
Department of Commerce, total	38,774	34,186	592	0	3,664	134	198	0	0	0	
Bureau of the Census	307	307	0	0	0	0	0	0	0	0	
National Inst of Standards & Tech	38,467	33,879	592	0	3,664	134	198	0	0	0	
Department of Defense, total	1,145,751	292,703	152,890	819	647,104	4,195	38,923	343	0	8,774	
Department of the Army	204,793	95,141	29,801	223	74,892	312	3,014	0	0	1,410	
Department of the Navy	386,754	127,969	26,706	0	198,812	1,160	25,921	0	0	6,186	
Department of the Air Force	233,999	57,971	42,198	0	125,593	69	7,056	28	0	1,084	
Defense Agencies, total	320,205	11,622	54,185	596	247,807	2,654	2,932	315	0	94	
Ballistic Missile Defense Organization	9,316	255	5,276	471	3,314	0	0	0	0	0	
Defense Advanced Research Projects Agency ⁵	73,948	5,012	37,281	125	25,850	2,654	2,932	0	0	94	
Washington Headquarters Svcs ⁶	236,941	6,355	11,628	0	218,643	0	0	315	0	0	
Department of Education	2,937	155	0	0	1,782	0	1,000	0	0	0	
Department of Energy	2,034,582	68,568	103,098	241,123	439,998	1,095,578	14,042	70,024	1,523	628	
Dept of Health & Human Svcs, total	6,558,265	1,142,062	270,264	126,193	3,928,435	17,089	972,741	10,779	63,623	27,079	
Health Resources & Services Admin	800	800	0	0	0	0	0	0	0	0	
National Institutes of Health ⁷	6,557,465	1,141,262	270,264	126,193	3,928,435	17,089	972,741	10,779	63,623	27,079	
Department of the Interior, total	56,891	51,076	0	0	5,715	0	100	0	0	0	
Geological Survey ⁸	56,341	50,861	0	0	5,480	0	0	0	0	0	
National Park Service ⁹	550	215	0	0	235	0	100	0	0	0	
Department of Justice, total	12,400	800	0	0	2,200	0	8,500	0	900	0	
Office of Justice Programs	12,400	800	0	0	2,200	0	8,500	0	900	0	
Department of Labor, total	11,300	11,300	0	0	0	0	0	0	0	0	
Bureau of Labor Statistics	11,300	11,300	0	0	0	0	0	0	0	0	
Department of State	3,750	70	0	0	0	0	3,680	0	0	0	

See explanatory information, if any, and SOURCE at end of table

Table C-29. Preliminary Federal obligations for basic research, by agency and performer: fiscal year 1997

[Dollars in thousands]

Page 2 of 2

Agency and subdivision	Total	Intra-mural ¹	Extramural							
			United States and territories							Foreign
			Indus-trial firms	FFRDCs admin by in-dustrial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other nonprofit insti-tutions	FFRDCs admin by non-profit insti-tutions	State and local govts	
Department of Transportation, total	54,313	13	20,441	150	607	150	12,096	0	20,856	0
Federal Highway Administration	54,313	13	20,441	150	607	150	12,096	0	20,856	0
Department of the Treasury, total	29	29	0	0	0	0	0	0	0	0
Bureau of Engraving & Printing	29	29	0	0	0	0	0	0	0	0
Department of Veterans Affairs	13,654	13,654	0	0	0	0	0	0	0	0
Other agencies:										
Environmental Protection Agency	75,085	30,582	20,434	0	17,115	0	5,609	0	868	477
International Development Cooperation Agency, total	4,870	604	0	0	24	0	3,765	0	0	477
Agency for International Development	4,870	604	0	0	24	0	3,765	0	0	477
Library of Congress	458	458	0	0	0	0	0	0	0	0
National Aeronautics & Space Admin	1,884,953	471,238	614,453	0	480,168	257,229	56,317	1,267	834	3,447
National Science Foundation	2,089,619	18,410	90,202	10	1,679,735	145,331	149,142	497	2,711	3,581
Smithsonian Institution	136,800	136,800	0	0	0	0	0	0	0	0

- ¹ Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.
- ² The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.
- ³ The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.
- ⁴ The Office of International Cooperation & Development became part of the Foreign Agricultural Service (FAS) in June 1994. Data reported for FAS include funds appropriated to International Cooperation & Development programs within FAS as of fiscal year 1994.
- ⁵ This agency's name changed to the Advanced Research Projects Agency on July 13, 1993, and it was changed back to Defense Advanced Research Projects Agency in February 1996.
- ⁶ Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services' submission as of Vol. 45.
- ⁷ Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.
- ⁸ As of fiscal year 1996, data for the National Biological Service (NBS) are included with the Geological Survey's submission, since NBS's funding comes from the Geological Survey's congressional appropriation.
- ⁹ The National Biological Service's (NBS) name changed from the National Biological Survey on Jan. 5, 1995. As of fiscal year 1994, NBS performs all biological research activities formerly funded by the United States Fish & Wildlife Service and the National Park Service.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

BEST COPY AVAILABLE

Table C-30. Federal obligations for basic research, by detailed field of science and engineering: fiscal years 1995, 1996, and 1997

[Dollars in thousands]

Page 1 of 1

Field of science and engineering	1995	Preliminary	
		1996	1997
Total, all fields	13,895,493	14,482,056	14,732,254
Life sciences, total	6,645,283	6,896,148	7,043,376
Biological (excluding environmental)	3,198,638	NA	NA
Environmental biology	289,807	NA	NA
Agricultural	367,401	NA	NA
Medical	2,640,553	NA	NA
Life sciences, n.e.c.	148,884	NA	NA
Psychology, total	275,539	288,588	294,389
Biological aspects	28,925	NA	NA
Social aspects	22,230	NA	NA
Psychological sciences, n.e.c.	224,384	NA	NA
Physical sciences, total	2,863,026	3,160,678	3,185,627
Astronomy	732,010	NA	NA
Chemistry	557,111	NA	NA
Physics	1,507,490	NA	NA
Physical sciences, n.e.c.	66,415	NA	NA
Environmental sciences, total	1,473,207	1,512,734	1,496,014
Atmospheric	694,057	NA	NA
Geological	453,709	NA	NA
Oceanography	185,887	NA	NA
Environmental sciences, n.e.c.	139,554	NA	NA
Mathematics & computer sciences, total	553,962	597,844	604,331
Mathematics	264,583	NA	NA
Computer sciences	264,292	NA	NA
Mathematics & computer sciences, n.e.c.	25,087	NA	NA
Engineering, total	1,468,073	1,392,499	1,453,230
Aeronautical	270,945	NA	NA
Astronautical	64,711	NA	NA
Chemical	65,511	NA	NA
Civil	71,144	NA	NA
Electrical	213,562	NA	NA
Mechanical	169,880	NA	NA
Metallurgy & materials	346,080	NA	NA
Engineering, n.e.c.	266,240	NA	NA
Social sciences, total	209,479	214,536	226,743
Anthropology	15,468	NA	NA
Economics	44,134	NA	NA
Political science	8,904	NA	NA
Sociology	14,976	NA	NA
Social sciences, n.e.c.	125,997	NA	NA
Other sciences, n.e.c.	406,924	419,029	428,544

NOTES: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

The National Aeronautics and Space Administration has made a statistical adjustment to the 1994, 1995, 1996, and 1997 field of science and engineering values to diminish a computational error introduced by its software.

KEY: NA = Not applicable (indicates that the data collected for this table were not recorded at that level in that particular fiscal year)
n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

**Table C-31. Federal obligations for basic research, by agency and field of science and engineering:
fiscal year 1995**

[Dollars in thousands]

Page 1 of 2

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Total, all agencies	13,895,493	6,645,283	275,539	2,863,026	1,473,207	553,962	1,468,073	209,479	406,924
Departments:									
Department of Agriculture, total	594,903	510,029	45	40,782	4,128	3,504	14,775	21,394	246
Agricultural Research Service ¹	368,966	333,415	0	28,592	2,257	1,637	3,065	0	0
Cooperative State Research, Education, & Extension Service ²	185,992	153,354	0	10,001	1,160	0	6,903	14,574	0
Economic Research Service	5,383	0	0	0	0	0	0	5,383	0
Foreign Agricultural Service ³	343	343	0	0	0	0	0	0	0
Forest Service	32,897	22,917	45	2,189	711	545	4,807	1,437	246
Natl Agricultural Statistics Svc	1,322	0	0	0	0	1,322	0	0	0
Department of Commerce, total	39,258	313	59	28,275	275	696	9,640	0	0
Bureau of the Census	312	0	59	0	0	253	0	0	0
National Inst of Standards & Tech	38,946	313	0	28,275	275	443	9,640	0	0
Department of Defense, total	1,264,113	176,632	27,853	204,130	164,849	163,879	512,033	0	14,737
Department of the Army	218,790	59,376	5,256	38,983	21,623	19,829	72,542	0	1,181
Department of the Navy	409,419	38,685	18,028	77,039	100,157	44,239	121,043	0	10,228
Department of the Air Force	206,776	18,450	871	51,633	22,925	29,710	82,185	0	1,002
Defense Agencies, total	429,128	60,121	3,698	36,475	20,144	70,101	236,263	0	2,326
Ballistic Missile Defense Organization	10,742	0	0	2,218	0	0	8,524	0	0
Defense Advanced Research Projects Agency ⁴	94,587	0	0	2,444	0	29,323	60,494	0	2,326
Washington Headquarters Svcs ⁵	323,799	60,121	3,698	31,813	20,144	40,778	167,245	0	0
Department of Education	5,535	1,439	0	0	0	0	0	4,096	0
Department of Energy	1,634,353	175,609	0	1,080,936	148,234	113,599	114,843	0	1,132
Dept of Health & Human Svcs, total	6,061,057	5,277,303	229,670	119,539	12,307	30,982	92,277	61,816	237,163
Health Resources & Services Admin	1,010	1,010	0	0	0	0	0	0	0
National Institutes of Health ⁶	6,060,047	5,276,293	229,670	119,539	12,307	30,982	92,277	61,816	237,163
Department of the Interior, total	55,179	13,000	0	530	41,649	0	0	0	0
Geological Survey ⁷	41,649	0	0	0	41,649	0	0	0	0
National Biological Service ^{8, 7}	13,000	13,000	0	0	0	0	0	0	0
National Park Service ⁸	530	0	0	530	0	0	0	0	0
Department of Justice, total	8,121	750	1,027	0	0	0	0	4,769	1,575
Office of Justice Programs	8,121	750	1,027	0	0	0	0	4,769	1,575
Department of Labor, total	11,600	0	0	0	0	0	0	11,600	0
Bureau of Labor Statistics	11,600	0	0	0	0	0	0	11,600	0
Department of State	4,510	0	0	0	0	0	0	4,510	0

See explanatory information, if any, and SOURCE at end of table.

Table C-31. Federal obligations for basic research, by agency and field of science and engineering: fiscal year 1995

[Dollars in thousands]

Page 2 of 2

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Department of Transportation, total	46,880	54	844	0	1,018	17,846	21,579	1,429	4,110
Federal Highway Administration	46,880	54	844	0	1,018	17,846	21,579	1,429	4,110
Department of the Treasury, total	41	0	0	41	0	0	0	0	0
Bureau of Engraving & Printing	41	0	0	41	0	0	0	0	0
Department of Veterans Affairs	12,390	11,790	600	0	0	0	0	0	0
Other agencies:									
Environmental Protection Agency	70,297	19,434	0	0	30,083	0	20,780	0	0
International Development Cooperation Agency, total	2,297	2,297	0	0	0	0	0	0	0
Agency for International Development	2,297	2,297	0	0	0	0	0	0	0
Library of Congress	512	0	0	0	0	0	0	0	512
National Aeronautics & Space Administration ⁹	1,978,193	77,504	3,594	881,977	633,858	23,207	336,056	364	21,633
National Science Foundation	1,973,264	323,987	11,847	467,914	431,320	200,249	346,090	67,524	124,333
Smithsonian Institution	124,000	46,637	0	38,417	5,486	0	0	31,977	1,483
Tennessee Valley Authority	8,990	8,505	0	485	0	0	0	0	0

¹ The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.

² The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.

³ The Office of International Cooperation & Development became part of the Foreign Agricultural Service (FAS) in June 1994. Data reported for FAS include funds appropriated to International Cooperation & Development programs within FAS as of fiscal year 1994.

⁴ This agency's name changed to the Advanced Research Projects Agency on July 13, 1993, and it was changed back to Defense Advanced Research Projects Agency in February 1996.

⁵ Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services' submission as of Vol. 45.

⁶ Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.

⁷ As of fiscal year 1996, data for the National Biological Service (NBS) are included with the Geological Survey's submission, since NBS's funding comes from the Geological Survey's congressional appropriation.

⁸ The National Biological Service's (NBS) name changed from the National Biological Survey on Jan. 5, 1995. As of fiscal year 1994, NBS performs all biological research activities formerly funded by the United States Fish & Wildlife Service and the National Park Service.

⁹ The National Aeronautics and Space Administration has made a statistical adjustment to the 1994, 1995, 1996, and 1997 field of science and engineering values to diminish a computational error introduced by its software.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

Table C-32. Preliminary Federal obligations for basic research, by agency and field of science and engineering: fiscal year 1996

[Dollars in thousands]

Page 1 of 2

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Total, all agencies	14,482,056	6,896,148	288,588	3,160,678	1,512,734	597,844	1,392,499	214,536	419,029
Departments:									
Department of Agriculture, total	586,329	500,594	41	42,635	4,220	3,242	14,576	20,795	226
Agricultural Research Service ¹	367,666	329,418	0	30,936	2,450	1,461	3,401	0	0
Cooperative State Research, Education, & Extension Service ²	180,744	149,029	0	9,685	1,117	0	6,753	14,160	0
Economic Research Service	5,313	0	0	0	0	0	0	5,313	0
Foreign Agricultural Service ³	1,067	1,067	0	0	0	0	0	0	0
Forest Service	30,260	21,080	41	2,014	653	502	4,422	1,322	226
Natl Agricultural Statistics Svc	1,279	0	0	0	0	1,279	0	0	0
Department of Commerce, total	37,529	267	58	30,486	293	1,314	5,111	0	0
Bureau of the Census	307	0	58	0	0	249	0	0	0
National Inst of Standards & Tech	37,222	267	0	30,486	293	1,065	5,111	0	0
Department of Defense, total	1,134,158	107,563	26,854	199,957	145,594	216,121	424,404	0	13,665
Department of the Army	190,418	29,483	5,160	32,034	15,952	31,217	76,178	0	394
Department of the Navy	373,175	30,781	15,671	72,340	91,330	40,440	110,433	0	12,180
Department of the Air Force	233,793	22,659	802	49,525	20,997	28,810	109,909	0	1,091
Defense Agencies, total	336,772	24,640	5,221	46,058	17,315	115,654	127,884	0	0
Ballistic Missile Defense Organization	7,902	0	0	4,048	0	0	3,854	0	0
Defense Advanced Research Projects Agency ⁴	65,971	0	0	2,856	0	17,950	45,165	0	0
Washington Headquarters Svcs ⁵	262,899	24,640	5,221	39,154	17,315	97,704	78,865	0	0
Department of Education	3,459	526	0	0	0	0	0	2,933	0
Department of Energy	1,956,610	170,062	0	1,356,479	201,081	103,854	124,090	0	1,044
Dept of Health & Human Svcs, total	6,441,509	5,608,577	244,096	126,878	12,881	32,847	97,896	65,864	252,470
Administration on Aging	171	0	0	0	0	0	0	171	0
Health Resources & Services Admin	800	800	0	0	0	0	0	0	0
National Institutes of Health ⁶	6,440,538	5,607,777	244,096	126,878	12,881	32,847	97,896	65,693	252,470
Department of the Interior, total	55,863	10,988	0	403	44,472	0	0	0	0
Geological Survey ⁷	55,460	10,988	0	0	44,472	0	0	0	0
National Park Service ⁸	403	0	0	403	0	0	0	0	0
Department of Justice, total	8,300	1,000	1,000	0	0	0	0	5,500	800
Office of Justice Programs	8,300	1,000	1,000	0	0	0	0	5,500	800
Department of Labor, total	11,500	0	0	0	0	0	0	11,500	0
Bureau of Labor Statistics	11,500	0	0	0	0	0	0	11,500	0
Department of State	3,750	0	0	0	0	0	0	3,750	0

See explanatory information, if any, and SOURCE at end of table.

Table C-32. Preliminary Federal obligations for basic research, by agency and field of science and engineering: fiscal year 1996

[Dollars in thousands]

Page 2 of 2

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Department of Transportation, total	45,721	144	50	0	1,037	16,994	21,674	1,589	4,233
Federal Highway Administration	45,721	144	50	0	1,037	16,994	21,674	1,589	4,233
Department of the Treasury, total	53	0	0	53	0	0	0	0	0
Bureau of Engraving & Printing	53	0	0	53	0	0	0	0	0
Department of Veterans Affairs	14,372	13,751	621	0	0	0	0	0	0
Other agencies:									
Environmental Protection Agency	65,914	18,233	0	0	28,199	0	19,482	0	0
International Development Cooperation Agency, total	2,444	2,227	0	0	0	0	0	140	77
Agency for International Development	2,444	2,227	0	0	0	0	0	140	77
Library of Congress	442	0	0	0	0	0	0	0	442
National Aeronautics & Space Administration	2,009,237	78,721	3,650	895,819	643,805	23,570	341,330	370	21,972
National Science Foundation	1,967,676	323,380	12,218	471,952	425,377	199,902	343,936	68,416	122,495
Smithsonian Institution	125,400	48,915	0	35,426	5,775	0	0	33,679	1,605
Tennessee Valley Authority	11,790	11,200	0	590	0	0	0	0	0

¹ The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.

² The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.

³ The Office of International Cooperation & Development became part of the Foreign Agricultural Service (FAS) in June 1994. Data reported for FAS include funds appropriated to International Cooperation & Development programs within FAS as of fiscal year 1994.

⁴ This agency's name changed to the Advanced Research Projects Agency on July 13, 1993, and it was changed back to Defense Advanced Research Projects Agency in February 1996.

⁵ Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services' submission as of Vol. 45.

⁶ Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.

⁷ As of fiscal year 1996, data for the National Biological Service (NBS) are included with the Geological Survey's submission, since NBS's funding comes from the Geological Survey's congressional appropriation.

⁸ The National Biological Service's (NBS) name changed from the National Biological Survey on Jan. 5, 1995. As of fiscal year 1994, NBS performs all biological research activities formerly funded by the United States Fish & Wildlife Service and the National Park Service.

⁹ The National Aeronautics and Space Administration has made a statistical adjustment to the 1994, 1995, 1996, and 1997 field of science and engineering values to diminish a computational error introduced by its software.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997.

Table C-33. Preliminary Federal obligations for basic research, by agency and field of science and engineering: fiscal year 1997

[Dollars in thousands]

Page 1 of 2

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Total, all agencies	14,732,254	7,043,376	294,389	3,185,627	1,496,014	604,331	1,453,230	226,743	428,544
Departments									
Department of Agriculture, total	607,823	523,946	42	42,609	4,023	3,265	13,537	20,173	228
Agricultural Research Service ¹	376,173	337,925	0	30,936	2,450	1,461	3,401	0	0
Cooperative State Research, Education, & Extension Service ²	193,227	163,662	0	9,639	913	0	5,671	13,342	0
Economic Research Service	5,495	0	0	0	0	0	0	5,495	0
Foreign Agricultural Service ³	1,067	1,067	0	0	0	0	0	0	0
Forest Service	30,564	21,292	42	2,034	660	507	4,465	1,336	228
Natl Agricultural Statistics Svc	1,297	0	0	0	0	1,297	0	0	0
Department of Commerce, total	38,774	272	58	31,449	299	1,336	5,360	0	0
Bureau of the Census	307	0	58	0	0	249	0	0	0
National Inst of Standards & Tech	38,467	272	0	31,449	299	1,087	5,360	0	0
Department of Defense, total	1,145,751	106,069	27,742	194,326	138,151	190,562	474,311	784	13,806
Department of the Army	204,793	32,724	5,568	34,090	14,654	41,391	75,582	784	0
Department of the Navy	386,754	30,697	16,296	75,227	94,975	42,054	114,840	0	12,665
Department of the Air Force	233,999	25,621	785	52,888	12,023	27,420	114,121	0	1,141
Defense Agencies, total	320,205	17,027	5,093	32,121	16,499	79,697	169,768	0	0
Ballistic Missile Defense Organization	9,316	0	0	4,977	0	0	4,339	0	0
Defense Advanced Research Projects Agency ⁴	73,948	0	0	1,178	0	23,733	49,037	0	0
Washington Headquarters Svcs ⁵	236,941	17,027	5,093	25,966	16,499	55,964	116,392	0	0
Department of Education	2,937	0	0	0	0	0	0	2,937	0
Department of Energy	2,034,582	181,207	0	1,408,973	202,212	118,287	123,236	0	667
Dept of Health & Human Svcs, total	6,558,265	5,710,385	248,528	129,182	13,115	33,443	99,673	66,885	257,054
Health Resources & Services Admin	800	800	0	0	0	0	0	0	0
National Institutes of Health ⁶	6,557,465	5,709,585	248,528	129,182	13,115	33,443	99,673	66,885	257,054
Department of the Interior, total	56,891	12,000	0	550	44,341	0	0	0	0
Geological Survey ⁷	56,341	12,000	0	0	44,341	0	0	0	0
National Park Service ⁸	550	0	0	550	0	0	0	0	0
Department of Justice, total	12,400	1,000	1,000	0	0	0	0	10,100	300
Office of Justice Programs	12,400	1,000	1,000	0	0	0	0	10,100	300
Department of Labor, total	11,300	0	0	0	0	0	0	11,300	0
Bureau of Labor Statistics	11,300	0	0	0	0	0	0	11,300	0
Department of State	3,750	0	0	0	0	0	0	3,750	0

See explanatory information, if any, and SOURCE at end of table.

Table C-33. Preliminary Federal obligations for basic research, by agency and field of science and engineering: fiscal year 1997

[Dollars in thousands]

Page 2 of 2

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Department of Transportation, total	54,313	166	34	0	1,142	23,011	23,682	1,462	4,816
Federal Highway Administration	54,313	166	34	0	1,142	23,011	23,682	1,462	4,816
Department of the Treasury, total	29	0	0	29	0	0	0	0	0
Bureau of Engraving & Printing	29	0	0	29	0	0	0	0	0
Department of Veterans Affairs	13,654	13,054	600	0	0	0	0	0	0
Other agencies:									
Environmental Protection Agency	75,085	20,770	0	0	32,123	0	22,192	0	0
International Development Cooperation Agency, total	4,870	4,790	0	0	0	0	0	0	80
Agency for International Development	4,870	4,790	0	0	0	0	0	0	80
Library of Congress	458	0	0	0	0	0	0	0	458
National Aeronautics & Space Administration ⁹	1,884,953	73,851	3,424	840,406	603,983	22,112	320,217	347	20,613
National Science Foundation	2,089,619	342,545	12,961	499,650	450,218	212,315	371,022	72,146	128,762
Smithsonian Institution	136,800	53,321	0	38,453	6,407	0	0	36,859	1,760

¹ The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.

² The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.

³ The Office of International Cooperation & Development became part of the Foreign Agricultural Service (FAS) in June 1994. Data reported for FAS include funds appropriated to International Cooperation & Development programs within FAS as of fiscal year 1994.

⁴ This agency's name changed to the Advanced Research Projects Agency on July 13, 1993, and it was changed back to Defense Advanced Research Projects Agency in February 1996.

⁵ Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services' submission as of Vol. 45.

⁶ Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.

⁷ As of fiscal year 1996, data for the National Biological Service (NBS) are included with the Geological Survey's submission, since NBS's funding comes from the Geological Survey's congressional appropriation.

⁸ The National Biological Service's (NBS) name changed from the National Biological Survey on Jan. 5, 1995. As of fiscal year 1994, NBS performs all biological research activities formerly funded by the United States Fish & Wildlife Service and the National Park Service.

⁹ The National Aeronautics and Space Administration has made a statistical adjustment to the 1994, 1995, 1996, and 1997 field of science and engineering values to diminish a computational error introduced by its software.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

Table C-34. Federal obligations for basic research in psychology and life sciences, by agency and detailed field of science: fiscal year 1995

(Dollars in thousands)

Page 1 of 1

Agency and subdivision	Psychology				Life sciences					
	Total	Bio-logical aspects	Social aspects	Psycho-logical sciences, n.e.c.	Total	Biological	Environ-mental biology	Agri-cultural	Medical	Life sciences, n.e.c.
Total, all agencies	275,539	28,925	22,230	224,384	6,645,283	3,198,638	289,807	367,401	2,640,553	148,884
Departments:										
Department of Agriculture, total	45	0	45	0	510,029	76,034	60,318	358,282	15,389	6
Agricultural Research Service ¹	0	0	0	0	333,415	22,279	22,593	279,797	8,740	6
Cooperative State Research, Education, & Extension Service ²	0	0	0	0	153,354	47,445	23,326	77,661	4,922	0
Foreign Agricultural Service ³	0	0	0	0	343	0	0	343	0	0
Forest Service	45	0	45	0	22,917	6,310	14,399	481	1,727	0
Department of Commerce, total	59	0	59	0	313	313	0	0	0	0
Bureau of the Census	59	0	59	0	0	0	0	0	0	0
National Inst of Standards & Tech	0	0	0	0	313	313	0	0	0	0
Department of Defense, total	27,853	10,525	9,579	7,749	176,632	42,149	44,915	0	85,843	3,725
Department of the Army	5,256	0	2,870	2,386	59,376	5,106	890	0	49,808	3,572
Department of the Navy	18,028	8,998	6,456	2,574	38,685	18,254	12,175	0	8,256	0
Department of the Air Force	871	281	253	337	18,450	12,073	6,377	0	0	0
Defense Agencies, total	3,698	1,246	0	2,452	60,121	6,716	25,473	0	27,779	153
Washington Headquarters Svcs ⁴	3,698	1,246	0	2,452	60,121	6,716	25,473	0	27,779	153
Department of Education	0	0	0	0	1,439	0	0	0	0	1,439
Department of Energy	0	0	0	0	175,609	170,645	332	0	0	4,632
Dept of Health & Human Svcs, total	229,670	14,594	4,888	210,188	5,277,303	2,585,299	48,146	0	2,521,452	122,406
Health Resources & Services Admin	0	0	0	0	1,010	0	0	0	1,010	0
National Institutes of Health ⁵	229,670	14,594	4,888	210,188	5,276,293	2,585,299	48,146	0	2,520,442	122,406
Department of the Interior, total	0	0	0	0	13,000	6,890	6,110	0	0	0
National Biological Service ^{6, 7}	0	0	0	0	13,000	6,890	6,110	0	0	0
Department of Justice, total	1,027	542	250	235	750	400	0	0	0	350
Office of Justice Programs	1,027	542	250	235	750	400	0	0	0	350
Department of Transportation, total	844	0	111	735	54	0	11	43	0	0
Federal Highway Administration	844	0	111	733	54	0	11	43	0	0
Department of Veterans Affairs	600	600	0	0	11,790	4,877	0	0	6,913	0
Other agencies:										
Environmental Protection Agency	0	0	0	0	19,434	0	15,748	0	3,686	0
International Development Cooperation Agency, total	0	0	0	0	2,297	0	1,975	0	0	322
Agency for Internat'l Dvlpmt	0	0	0	0	2,297	0	1,975	0	0	322
Nat'l Aeronautics & Space Admin ⁸	3,594	68	421	3,105	77,504	57,289	4,046	571	7,270	8,328
National Science Foundation	11,847	2,596	6,877	2,374	323,987	234,838	81,473	0	0	7,676
Smithsonian Institution	0	0	0	0	46,637	19,904	26,733	0	0	0
Tennessee Valley Authority	0	0	0	0	8,505	0	0	8,505	0	0

¹ The Human Nutrition information Service merged with the Agricultural Research Service on Feb. 20, 1994.

² The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.

³ The Office of International Cooperation & Development became part of the Foreign Agricultural Service (FAS) in June 1994. Data reported for FAS include funds appropriated to International Cooperation & Development programs within FAS as of fiscal year 1994.

⁴ Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services' submission as of Vol. 45.

⁵ Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.

⁶ The National Biological Service's (NBS) name changed from the National Biological Survey on Jan. 5, 1995. As of fiscal year 1994, NBS performs all biological research activities formerly funded by the United States Fish & Wildlife Service and the National Park Service.

⁷ As of fiscal year 1996, data for the National Biological Service (NBS) are included with the Geological Survey's submission, since NBS's funding comes from the Geological Survey's congressional appropriation.

⁸ The National Aeronautics and Space Administration has made a statistical adjustment to the 1994, 1995, 1996, and 1997 field of science and engineering values to diminish a computational error introduced by its software.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

Table C-35. Federal obligations for basic research in physical and environmental sciences, by agency and detailed field of science: fiscal year 1995

[Dollars in thousands]

Page 1 of 1

Agency and subdivision	Physical sciences					Environmental sciences				
	Total	Astronomy	Chemistry	Physics	Physical sciences, n.e.c.	Total	Atmospheric	Geological	Oceanography	Environmental sciences, n.e.c.
Total: all agencies	2,863,026	732,010	557,111	1,507,490	66,415	1,473,207	694,057	453,709	185,887	139,554
Departments:										
Department of Agriculture, total	40,782	0	39,369	1,413	0	4,128	3,918	205	0	5
Agricultural Research Service ¹	28,592	0	27,530	1,062	0	2,257	2,152	100	0	5
Cooperative State Research, Education, & Extension Service ²	10,001	0	10,001	0	0	1,160	1,160	0	0	0
Forest Service	2,189	0	1,838	351	0	711	606	105	0	0
Department of Commerce, total	28,275	860	11,616	15,799	0	275	0	275	0	0
National Inst. of Standards & Tech.	28,275	860	11,616	15,799	0	275	0	275	0	0
Department of Defense, total	204,130	8,228	87,838	101,166	6,898	164,849	44,935	43,303	66,872	9,739
Department of the Army	38,983	0	12,953	21,818	4,212	21,623	8,512	3,056	566	9,489
Department of the Navy	77,039	4,500	30,490	42,049	0	100,157	17,702	25,863	56,592	0
Department of the Air Force	51,633	3,275	28,992	18,793	573	22,925	11,593	11,332	0	0
Defense Agencies, total	36,475	453	15,403	18,506	2,113	20,144	7,128	3,052	9,714	250
Ballistic Missile Defense Organization	2,218	0	860	1,358	0	0	0	0	0	0
Defense Advanced Research Projects Agency ³	2,444	0	2,444	0	0	0	0	0	0	0
Washington Headquarters Svcs ⁴	31,813	453	12,099	17,148	2,113	20,144	7,128	3,052	9,714	250
Department of Energy	1,080,936	0	129,766	951,082	88	148,234	88,684	51,600	6,748	1,202
Dept. of Health & Human Svcs., total	119,539	0	106,105	13,434	0	12,307	0	0	0	12,307
National Institutes of Health ⁵	119,539	0	106,105	13,434	0	12,307	0	0	0	12,307
Department of the Interior, total	530	0	530	0	0	41,649	0	41,649	0	0
Geological Survey ⁶	0	0	0	0	0	41,649	0	41,649	0	0
National Park Service ⁷	530	0	530	0	0	0	0	0	0	0
Department of Transportation, total	0	0	0	0	0	1,018	593	23	0	402
Federal Highway Administration	0	0	0	0	0	1,018	593	23	0	402
Department of the Treasury, total	41	0	10	31	0	0	0	0	0	0
Bureau of Engraving & Printing	41	0	10	31	0	0	0	0	0	0
Other agencies:										
Environmental Protection Agency	0	0	0	0	0	30,083	14,029	1,958	0	14,096
Natl. Aeronautics & Space Admin ⁸	881,977	560,217	41,006	255,484	25,270	633,858	392,639	163,461	34,222	43,536
National Science Foundation	467,914	126,196	139,774	167,785	34,159	431,320	149,182	146,187	77,684	58,267
Smithsonian Institution	38,417	36,509	612	1,296	0	5,486	77	5,048	361	0
Tennessee Valley Authority	485	0	485	0	0	0	0	0	0	0

¹ The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.

² The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.

³ This agency's name changed to the Advanced Research Projects Agency on July 13, 1993, and it was changed back to Defense Advanced Research Projects Agency in February 1996.

⁴ Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services' submission as of Vol. 45.

⁵ Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.

⁶ As of fiscal year 1996, data for the National Biological Service (NBS) are included with the Geological Survey's submission, since NBS's funding comes from the Geological Survey's congressional appropriation.

⁷ The National Biological Service's (NBS) name changed from the National Biological Survey on Jan. 5, 1995. As of fiscal year 1994, NBS performs all biological research activities formerly funded by the United States Fish & Wildlife Service and the National Park Service.

⁸ The National Aeronautics and Space Administration has made a statistical adjustment to the 1994, 1995, 1996, and 1997 field of science and engineering values to diminish a computational error introduced by its software.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997.

Table C-36. Federal obligations for basic research in engineering, by agency and detailed field of engineering: fiscal year 1995

[Dollars in thousands]

Page 1 of 1

Agency and subdivision	Total	Aero- nautical	Astro- nautical	Chemical	Civil	Elec- trical	Mechan- ical	Metal- lurgy and materials	Engi- neering, n.e.c.
Total, all agencies	1,468,073	270,945	64,711	65,511	71,144	213,562	169,880	346,080	266,240
Departments:									
Department of Agriculture, total	14,775	0	0	2,358	871	223	489	0	10,834
Agricultural Research Service ¹	3,065	0	0	1,682	549	216	238	0	380
Cooperative State Research Education, & Extension Service ²	6,903	0	0	0	0	0	0	0	6,903
Forest Service	4,807	0	0	676	322	7	251	0	3,551
Department of Commerce, total	9,640	0	0	644	1,548	549	1,090	1,260	4,549
National Inst of Standards & Tech	9,640	0	0	644	1,548	549	1,090	1,260	4,549
Department of Defense, total	512,033	34,107	2,703	5,753	11,485	160,454	98,643	136,547	62,341
Department of the Army	72,542	8,823	0	2,108	9,237	26,284	9,776	15,087	1,227
Department of the Navy	121,043	0	0	0	0	40,667	42,253	38,123	0
Department of the Air Force	82,185	11,746	2,703	0	0	21,024	12,108	14,525	20,079
Defense Agencies, total	236,263	13,538	0	3,645	2,248	72,479	34,506	68,812	41,035
Ballistic Missile Defense Organization	8,524	7,016	0	0	0	1,508	0	0	0
Defense Advanced Research Projects Agency ³	60,494	0	0	223	740	11,342	0	36,503	11,686
Washington Headquarters Svcs ⁴	167,245	6,522	0	3,422	1,508	59,629	34,506	32,309	29,349
Department of Energy	114,843	0	5,860	22,506	262	648	15,713	59,543	10,311
Dept of Health & Human Svcs, total	92,277	0	0	0	0	0	0	0	92,277
National Institutes of Health ⁵	92,277	0	0	0	0	0	0	0	92,277
Department of Transportation, total	21,579	0	0	16	20,460	23	368	318	394
Federal Highway Administration	21,579	0	0	16	20,460	23	368	318	394
Other agencies									
Environmental Protection Agency	20,780	0	0	458	0	0	0	0	20,322
Natl Aeronautics & Space Admin ⁶	336,056	236,838	56,148	2,409	198	6,089	9,886	14,865	9,623
National Science Foundation	346,090	0	0	31,367	36,320	45,576	43,691	133,547	55,589

¹ The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.

² The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.

³ This agency's name changed to the Advanced Research Projects Agency on July 13, 1993, and it was changed back to Defense Advanced Research Projects Agency in February 1996.

⁴ Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services' submission as of Vol. 45.

⁵ Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.

⁶ The National Aeronautics and Space Administration has made a statistical adjustment to the 1994, 1995, 1996, and 1997 field of science and engineering values to diminish a computational error introduced by its software.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development, Fiscal Years 1995, 1996, and 1997

Table C-37. Federal obligations for basic research in mathematics and computer sciences and in social sciences, by agency and detailed field of science: fiscal year 1995

[Dollars in thousands]

Page 1 of 1

Agency and subdivision	Mathematics and computer sciences				Social sciences					
	Total	Mathematics	Computer sciences	Mathematics and computer sciences, n.e.c.	Total	Anthropology	Economics	Political science	Sociology	Social sciences, n.e.c.
Total, all agencies	553,962	264,583	264,292	25,087	209,479	15,468	44,134	8,904	14,976	125,997
Departments:										
Department of Agriculture, total	3,504	1,931	1,573	0	21,394	39	18,301	0	3,054	0
Agricultural Research Service ¹	1,637	64	1,573	0	0	0	0	0	0	0
Cooperative State Research, Education, & Extension Service ²	0	0	0	0	14,574	0	11,658	0	2,916	0
Economic Research Service	0	0	0	0	5,383	0	5,383	0	0	0
Forest Service	545	545	0	0	1,437	39	1,260	0	138	0
Natl Agricultural Statistics Svc	1,322	1,322	0	0	0	0	0	0	0	0
Department of Commerce, total	696	253	443	0	0	0	0	0	0	0
Bureau of the Census	253	253	0	0	0	0	0	0	0	0
National Inst of Standards & Tech	443	0	443	0	0	0	0	0	0	0
Department of Defense, total	163,879	60,326	100,099	3,454	0	0	0	0	0	0
Department of the Army	19,829	8,599	10,169	1,061	0	0	0	0	0	0
Department of the Navy	44,239	23,370	20,869	0	0	0	0	0	0	0
Department of the Air Force	29,710	20,150	7,167	2,393	0	0	0	0	0	0
Defense Agencies, total	70,101	8,207	61,894	0	0	0	0	0	0	0
Defense Advanced Research Projects Agency ³	29,323	0	29,323	0	0	0	0	0	0	0
Washington Headquarters Svcs ⁴	40,778	8,207	32,571	0	0	0	0	0	0	0
Department of Education	0	0	0	0	4,096	0	0	0	0	4,096
Department of Energy	113,599	96,816	16,783	0	0	0	0	0	0	0
Dept of Health & Human Svcs, total	30,982	20,469	10,513	0	61,816	0	0	0	0	61,816
National Institutes of Health ⁵	30,982	20,469	10,513	0	61,816	0	0	0	0	61,816
Department of Justice, total	0	0	0	0	4,769	0	50	150	3,569	1,000
Office of Justice Programs	0	0	0	0	4,769	0	50	150	3,569	1,000
Department of Labor, total	0	0	0	0	11,600	0	11,600	0	0	0
Bureau of Labor Statistics	0	0	0	0	11,600	0	11,600	0	0	0
Department of State	0	0	0	0	4,510	361	1,127	1,804	676	542
Department of Transportation, total	17,846	34	943	16,869	1,429	0	633	234	222	340
Federal Highway Administration	17,846	34	943	16,869	1,429	0	633	234	222	340
Other agencies:										
Natl Aeronautics & Space Admin ⁶	23,207	752	18,388	4,067	364	0	0	0	233	131
National Science Foundation	200,249	84,002	115,550	697	67,524	11,715	12,423	6,716	6,754	29,916
Smithsonian Institution	0	0	0	0	31,977	3,353	0	0	468	28,156

¹ The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.

² The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.

³ This agency's name changed to the Advanced Research Projects Agency on July 13, 1993, and it was changed back to Defense Advanced Research Projects Agency in February 1996.

⁴ Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services' submission as of Vol. 45.

⁵ Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.

⁶ The National Aeronautics and Space Administration has made a statistical adjustment to the 1994, 1995, 1996, and 1997 field of science and engineering values to diminish a computational error introduced by its software.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

**Table C-38. Federal obligations for applied research, by agency and performer:
fiscal year 1995**

[Dollars in thousands]

Page 1 of 3

Agency and subdivision	Total	Intra- mural ¹	Extramural								Foreign
			United States and territories								
			Indus- trial firms	FFRDCs admin by in- dustrial firms	Univer- sities and colleges	FFRDCs admin by univs and colleges	Other nonprofit insti- tutions	FFRDCs admin by non- profit insti- tutions	State and local govts		
Total, all agencies	14,677,941	5,074,929	3,506,718	578,882	3,420,273	797,331	921,935	134,913	142,683	100,277	
Departments											
Department of Agriculture, total	704,649	451,221	5,020	0	237,983	0	7,260	0	1,327	1,838	
Agricultural Marketing Service	4,180	3,699	0	0	481	0	0	0	0	0	
Agricultural Research Service ²	259,642	246,576	0	0	9,995	0	1,478	0	107	1,486	
Cooperative State Research, Education, & Extension Service ³	231,720	10,765	4,849	0	210,475	0	4,722	0	909	0	
Economic Research Service	48,444	45,579	0	0	2,865	0	0	0	0	0	
Foreign Agricultural Service ⁴	114	86	0	0	28	0	0	0	0	0	
Forest Service	154,807	138,954	171	0	13,989	0	1,030	0	311	352	
Grain Inspection Packers & Stockyards Administration ⁵	1,484	1,484	0	0	0	0	0	0	0	0	
Natl Agricultural Statistics Svc	2,697	2,522	0	0	145	0	30	0	0	0	
Rural Business-Cooperative Svc ⁶	1,561	1,556	0	0	5	0	0	0	0	0	
Department of Commerce, total	853,060	558,301	208,470	0	78,894	4	2,325	0	4,388	678	
Bureau of the Census	2,618	2,618	0	0	0	0	0	0	0	0	
Economic Development Admin	521	10	461	0	0	0	50	0	0	0	
National Inst of Standards & Tech	333,145	154,672	168,286	0	7,876	4	1,659	0	0	648	
Natl Oceanic & Atmospheric Admin	510,362	394,617	39,723	0	71,018	0	616	0	4,388	0	
National Telecommunications & Information Administration	6,383	6,383	0	0	0	0	0	0	0	0	
Office of the Secretary	31	1	0	0	0	0	0	0	0	30	
Department of Defense, total	3,069,821	1,243,191	1,335,655	17,650	349,195	65,455	38,181	13,661	0	6,833	
Department of the Army	633,273	415,590	179,512	2,640	24,066	2,362	5,399	997	0	2,707	
Department of the Navy	470,533	241,854	184,064	0	37,643	3,319	1,882	1,771	0	0	
Department of the Air Force	627,683	359,088	226,760	329	31,533	4,813	3,473	1,310	0	377	
Defense Agencies, total	1,338,332	226,659	745,319	14,681	255,953	54,961	27,427	9,583	0	3,749	
Ballistic Missile Defense Organization	93,811	14,980	60,231	0	10,268	4,878	0	2,294	0	1,160	
Defense Advanced Research Projects Agency ⁷	826,817	54,191	507,015	3,321	198,162	34,704	23,346	4,422	0	1,656	
Defense Information Systems Agency	1,717	1,717	0	0	0	0	0	0	0	0	
Defense Logistics Agency	7,062	7,062	0	0	0	0	0	0	0	0	
Defense Nuclear Agency	209,033	47,118	137,497	3,910	4,638	12,765	2,172	0	0	933	
Special Operations Command	39,913	22,883	17,030	0	0	0	0	0	0	0	
Washington Headquarters Svcs ⁸	159,979	78,708	23,546	7,450	42,885	2,614	1,909	2,867	0	0	
Department of Education	132,817	6,947	3,728	0	87,784	0	28,924	0	5,434	0	
Department of Energy	1,825,581	193,835	224,079	482,107	188,750	582,427	38,100	85,165	8,835	22,283	
Dept of Health & Human Svcs, total	4,014,893	1,051,103	234,305	47,724	2,044,197	7,332	538,789	8,271	69,662	13,510	
Administration on Aging	3,000	171	0	0	1,500	0	1,160	0	169	0	
Admin for Children & Families	11,200	224	0	0	9,856	0	1,075	0	45	0	
Agcy for Hlth Care Policy & Rsch	124,000	15,290	30,204	0	50,138	0	27,539	0	0	829	
Centers for Disease Control & Prevention	317,385	275,498	1,058	0	31,700	237	8,645	67	180	0	
Food & Drug Administration	170,462	153,932	0	0	9,856	0	6,674	0	0	0	
Health Care Financing Admin	74,537	64	27,270	0	5,838	0	19,199	0	21,876	290	
Health Resources & Services Admin	11,201	1,472	0	0	7,229	0	2,500	0	0	0	
National Institutes of Health ⁹	3,273,555	590,091	172,646	47,724	1,925,342	7,095	467,788	8,204	42,274	12,391	
Office of the Secretary	9,121	3,750	1,414	0	1,499	0	2,183	0	275	0	
Social Security Administration ¹⁰	20,432	10,611	1,713	0	1,239	0	2,026	0	4,843	0	

See explanatory information, if any, and SOURCE at end of table

**Table C-38. Federal obligations for applied research, by agency and performer:
fiscal year 1995**

[Dollars in thousands]

Page 2 of 3

Agency and subdivision	Total	Intra- mural ¹	Extramural								Foreign
			United States and territories								
			Indus- trial firms	FFRDCs admin by indus- trial firms	Univer- sities and colleges	FFRDCs admin by univs and colleges	Other nonprofit insti- tutions	FFRDCs admin by non- profit insti- tutions	State and local govts		
Dept of Housing & Urban Dvlpmnt	14,180	7,401	595	0	1,294	0	4,890	0	0	0	
Department of the Interior, total	477,257	423,487	6,716	85	44,428	530	595	0	419	997	
Bureau of Reclamation	5,997	5,082	0	0	570	0	345	0	0	0	
Geological Survey ¹¹	306,248	284,367	1,311	0	20,570	0	0	0	0	0	
Minerals Management Service	20,010	5,943	3,712	85	8,324	530	0	0	419	997	
National Biological Service ^{12 11}	125,810	119,296	53	0	6,256	0	205	0	0	0	
National Park Service ¹²	19,192	8,799	1,640	0	8,708	0	45	0	0	0	
Department of Justice, total	17,707	2,923	665	0	2,161	0	10,288	0	1,670	0	
Bureau of Prisons	3,249	2,068	0	0	0	0	0	0	1,181	0	
Immigration & Naturalization Svc	400	40	0	0	0	0	360	0	0	0	
Office of Justice Programs	14,058	815	665	0	2,161	0	9,928	0	489	0	
Department of Labor, total	16,648	6,712	7,136	0	644	0	1,761	0	395	0	
Bureau of Labor Statistics	1,500	1,500	0	0	0	0	0	0	0	0	
Employment & Training Admin	4,206	1,144	1,000	0	592	0	1,075	0	395	0	
Occupational Safety & Hlth Admin	4,370	1,286	3,084	0	0	0	0	0	0	0	
Office of the Secretary	2,872	1,942	892	0	12	0	26	0	0	0	
Pension Benefit Guaranty Corp	102	52	50	0	0	0	0	0	0	0	
Pension & Welfare Benefits Admin	3,598	788	2,110	0	40	0	660	0	0	0	
Department of State	500	335	101	0	0	23	41	0	0	0	
Department of Transportation, total	323,866	133,863	95,712	400	30,536	3,115	15,717	967	43,368	188	
Coast Guard	4,930	3,360	1,070	0	500	0	0	0	0	0	
Federal Aviation Administration	83,291	42,444	30,435	0	6,180	3,115	0	967	0	150	
Federal Highway Administration	156,268	50,744	44,701	400	13,303	0	5,000	0	42,120	0	
Federal Railroad Administration	22,545	12,702	3,278	0	1,200	0	5,340	0	0	25	
Federal Transit Administration	10,866	1,002	1,660	0	2,850	0	4,106	0	1,248	0	
Maritime Administration	2,450	723	969	0	503	0	242	0	0	13	
National Highway Traffic Safety Administration	39,707	20,865	11,813	0	6,000	0	1,029	0	0	0	
Office of the Secretary	590	90	500	0	0	0	0	0	0	0	
Research & Special Programs Admin	3,219	1,933	1,286	0	0	0	0	0	0	0	
Department of the Treasury, total	48,887	29,215	976	0	0	1,496	0	17,200	0	0	
Bureau of Engraving & Printing	1,283	1,099	0	0	0	184	0	0	0	0	
Internal Revenue Service	45,797	27,285	0	0	0	1,312	0	17,200	0	0	
Office of Thrift Supervision	550	550	0	0	0	0	0	0	0	0	
United States Customs Service	710	40	670	0	0	0	0	0	0	0	
United States Secret Service ¹³	547	241	306	0	0	0	0	0	0	0	
Department of Veterans Affairs	206,416	205,416	0	0	1,000	0	0	0	0	0	

See explanatory information, if any, and SOURCE at end of table

**Table C-38. Federal obligations for applied research, by agency and performer:
fiscal year 1995**

[Dollars in thousands]

Page 3 of 3

Agency and subdivision	Total	Intra- mural ¹	Extramural								Foreign
			United States and territories								
			Indus- trial firms	FFRDCs admin by in- dustrial firms	Univer- sities and colleges	FFRDCs admin by univs and colleges	Other nonprofit insti- tutions	FFRDCs admin by non- profit insti- tutions	State and local govts		
Other agencies:											
Advisory Commission on Intergovernmental Relations	1,413	1,413	0	0	0	0	0	0	0	0	0
Appalachian Regional Commission	900	100	300	0	500	0	0	0	0	0	0
Environmental Protection Agency	331,330	134,954	90,169	0	75,528	0	24,749	0	3,830	2,100	
Federal Communications Commission	2,268	2,268	0	0	0	0	0	0	0	0	
Federal Trade Commission	564	564	0	0	0	0	0	0	0	0	
International Development Cooperation Agency, total	270,382	56,781	11,086	0	28,660	0	139,787	0	0	34,068	
Agency for Internat'l Dvlpm't	270,382	56,781	11,086	0	28,660	0	139,787	0	0	34,068	
Library of Congress	1,594	1,594	0	0	0	0	0	0	0	0	
National Aeronautics & Space Admin	2,067,896	516,974	1,249,402	0	107,421	120,780	60,810	559	1,246	10,704	
National Archives & Records Admin	120	120	0	0	0	0	0	0	0	0	
National Science Foundation	176,013	677	27,611	0	135,208	71	8,568	4	2,109	1,765	
Nuclear Regulatory Commission	88,212	15,463	4,096	30,916	6,090	16,098	1,150	9,086	0	5,313	
Tennessee Valley Authority	17,380	17,380	0	0	0	0	0	0	0	0	
US Arms Control & Disarmament Agcy	1,146	250	896	0	0	0	0	0	0	0	
United States Information Agency	289	289	0	0	0	0	0	0	0	0	
US Internat'l Trade Commission	12,152	12,152	0	0	0	0	0	0	0	0	

¹ Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

² The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.

³ The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.

⁴ The Office of International Cooperation & Development became part of the Foreign Agricultural Service (FAS) in June 1994. Data reported for FAS include funds appropriated to International Cooperation & Development programs within FAS as of fiscal year 1994.

⁵ The Federal Grain Inspection Service was abolished on Oct. 20, 1994, and its functions were assumed by the Grain Inspection Packers & Stockyards Administration.

⁶ This agency's name changed from the Rural Business & Cooperative Development Service to the Rural Business-Cooperative Service on Jan. 30, 1996.

⁷ This agency's name changed to the Advanced Research Projects Agency on July 13, 1993, and it was changed back to Defense Advanced Research Projects Agency in February 1996.

⁸ Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services' submission as of Vol. 45.

⁹ Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.

¹⁰ As of Mar. 31, 1995, the Social Security Administration became an independent agency; it is no longer part of the Department of Health & Human Services.

¹¹ As of fiscal year 1996, data for the National Biological Service (NBS) are included with the Geological Survey's submission, since NBS's funding comes from the Geological Survey's congressional appropriation.

¹² The National Biological Service's (NBS) name changed from the National Biological Survey on Jan. 5, 1995. As of fiscal year 1994, NBS performs all biological research activities formerly funded by the United States Fish & Wildlife Service and the National Park Service.

¹³ The United States Secret Service was formerly listed as the Office of Protective Research.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

BEST COPY AVAILABLE

**Table C-39. Preliminary Federal obligations for applied research, by agency and performer:
fiscal year 1996**

[Dollars in thousands]

Page 1 of 3

Agency and subdivision	Total	Intra- mural ¹	Extramural								Foreign
			United States and territories								
			Indus- trial firms	FFRDCs admin by in- dustrial firms	Univer- sities and colleges	FFRDCs admin by univs and colleges	Other nonprofit insti- tutions	FFRDCs admin by non- profit insti- tutions	State and local govts		
Total, all agencies	14,095,711	4,990,398	3,447,069	537,736	3,166,309	582,193	1,038,854	112,065	128,528	92,559	
Departments:											
Department of Agriculture, total	685,762	438,808	4,905	0	230,973	0	8,223	0	1,317	1,536	
Agricultural Marketing Service	4,237	4,237	0	0	0	0	0	0	0	0	
Agricultural Research Service ²	258,728	244,475	0	0	10,518	0	2,444	0	107	1,184	
Cooperative State Research, Education, & Extension Service ³	225,419	10,649	4,734	0	204,417	0	4,719	0	900	0	
Economic Research Service	47,818	46,124	0	0	1,694	0	0	0	0	0	
Foreign Agricultural Service ⁴	355	89	0	0	266	0	0	0	0	0	
Forest Service	142,400	126,549	171	0	13,988	0	1,030	0	310	352	
Grain Inspection Packers & Stockyards Administration ⁵	2,797	2,797	0	0	0	0	0	0	0	0	
Natl Agricultural Statistics Svc	2,608	2,488	0	0	90	0	30	0	0	0	
Rural Business-Cooperative Svc ⁶	1,400	1,400	0	0	0	0	0	0	0	0	
Department of Commerce, total	860,512	582,374	199,636	0	70,915	54	3,638	0	3,098	797	
Bureau of the Census	2,564	2,564	0	0	0	0	0	0	0	0	
Economic Development Admin	500	10	200	0	0	0	290	0	0	0	
National Inst of Standards & Tech	371,790	163,961	197,864	0	7,260	4	1,931	0	0	770	
Natl Oceanic & Atmospheric Admin	481,151	411,359	1,572	0	63,655	50	1,417	0	3,098	0	
National Telecommunications & Information Administration	4,479	4,479	0	0	0	0	0	0	0	0	
Office of the Secretary	28	1	0	0	0	0	0	0	0	27	
Department of Defense, total	2,814,272	1,129,487	1,186,274	10,678	367,004	52,288	43,176	17,717	0	7,648	
Department of the Army	458,641	315,074	110,920	540	18,795	264	10,405	359	0	2,284	
Department of the Navy	568,346	278,490	238,655	0	45,468	1,705	2,273	1,755	0	0	
Department of the Air Force	648,131	371,220	224,803	777	34,820	4,292	6,397	5,176	0	646	
Defense Agencies, total	1,139,154	164,703	611,896	9,361	267,921	46,027	24,101	10,427	0	4,718	
Ballistic Missile Defense Organization	74,594	11,834	40,327	0	13,286	7,400	33	714	0	1,000	
Defense Advanced Research Projects Agency ⁷	711,626	41,670	435,514	3,241	182,297	18,739	21,413	7,431	0	1,321	
Defense Information Systems Agency	1,455	1,455	0	0	0	0	0	0	0	0	
Defense Logistics Agency	7,981	7,981	0	0	0	0	0	0	0	0	
Defense Nuclear Agency	168,417	35,962	115,196	2,842	768	9,582	1,670	0	0	2,397	
Special Operations Command Washington Headquarters Svcs ⁸	21,787	12,491	9,296	0	0	0	0	0	0	0	
	153,294	53,310	11,563	3,278	71,570	10,306	985	2,282	0	0	
Department of Education	138,164	6,479	6,863	0	96,375	0	24,262	0	4,185	0	
Department of Energy	1,342,767	135,259	167,054	414,380	93,837	416,824	25,960	66,870	6,245	16,338	
Dept of Health & Human Svcs, total	4,083,076	1,091,584	241,523	88,852	1,896,731	3,837	667,382	10,703	65,953	16,511	
Admin for Children & Families	8,300	166	0	0	7,304	0	830	0	0	0	
Agcy for Hlth Care Policy & Rsch	59,000	10,923	13,462	0	22,115	0	12,500	0	0	0	
Centers for Disease Control & Prevention	323,181	281,294	1,058	0	31,700	237	8,645	67	180	0	
Food & Drug Administration	170,462	153,932	0	0	9,856	0	6,674	0	0	0	
Health Care Financing Admin	54,500	40	23,900	0	5,200	0	13,928	0	11,120	312	
Health Resources & Services Admin	10,963	1,277	0	0	7,197	0	2,489	0	0	0	
National Institutes of Health ⁹	3,447,670	640,452	201,103	88,852	1,811,359	3,600	620,816	10,636	54,653	16,199	
Office of the Secretary	9,000	3,500	2,000	0	2,000	0	1,500	0	0	0	

See explanatory information, if any, and SOURCE at end of table

**Table C-39. Preliminary Federal obligations for applied research, by agency and performer:
fiscal year 1996**

[Dollars in thousands]

Page 2 of 3

Agency and subdivision	Total	Intra- mural *	Extramural							Foreign
			United States and territories							
			Indus- trial firms	FFRDCs admin by in- dustrial firms	Univer- sities and colleges	FFRDCs admin by univs and colleges	Other nonprofit insti- tutions	FFRDCs admin by non- profit insti- tutions	State and local govts	
Dept of Housing & Urban Dvlpmnt	12 162	8 502	1 206	0	531	0	1 923	0	0	0
Department of the Interior, total	483 740	428 652	5 633	20	47 366	350	220	0	226	1 273
Bureau of Reclamation	4 523	4 058	0	0	300	0	165	0	0	0
Geological Survey ¹⁰	439 069	407 907	1 312	0	29 850	0	0	0	0	0
Minerals Management Service	20 774	7 731	2 681	20	8 483	350	10	0	226	1 273
National Park Service ¹¹	19 374	8 956	1 640	0	8 733	0	45	0	0	0
Department of Justice, total	18 919	3 285	500	0	2 975	0	11 559	0	600	0
Bureau of Prisons	1 900	1 900	0	0	0	0	0	0	0	0
Drug Enforcement Administration	45	45	0	0	0	0	0	0	0	0
Immigration & Naturalization Svc	400	40	0	0	0	0	360	0	0	0
Office of Justice Programs	16 574	1 300	500	0	2 975	0	11 199	0	600	0
Department of Labor, total	13 187	6 344	5 618	0	250	0	975	0	0	0
Bureau of Labor Statistics	1 800	1 800	0	0	0	0	0	0	0	0
Employment & Training Admin	3 023	850	973	0	250	0	950	0	0	0
Occupational Safety & Hlth Admin	3 175	935	2 240	0	0	0	0	0	0	0
Office of the Secretary	2 871	1 918	928	0	0	0	25	0	0	0
Pension Benefit Guaranty Corp	53	53	0	0	0	0	0	0	0	0
Pension & Welfare Benefits Admin	2 265	788	1 477	0	0	0	0	0	0	0
Department of State	500	335	101	0	23	41	0	0	0	0
Department of Transportation, total	288 251	113 600	87 863	535	29 388	1 811	15 962	603	38 404	85
Coast Guard	5 010	3 383	1 227	0	400	0	0	0	0	0
Federal Aviation Administration	60 373	31 819	21 734	120	4 226	1 811	0	603	0	60
Federal Highway Administration	152 405	46 406	44 526	415	14 692	0	7 962	0	38 404	0
Federal Railroad Administration	19 913	9 106	3 712	0	1 670	0	5 400	0	0	25
Federal Transit Administration	5 515	1 115	400	0	2 400	0	1 600	0	0	0
National Highway Traffic Safety Administration	38 185	19 209	11 976	0	6 000	0	1 000	0	0	0
Research & Special Programs Admin	6 850	2 562	4 288	0	0	0	0	0	0	0
Department of the Treasury, total	50 209	34 116	920	0	557	116	0	14 500	0	0
Bureau of Engraving & Printing	1 223	1 107	0	0	0	116	0	0	0	0
Internal Revenue Service	47 196	32 139	0	0	557	0	0	14 500	0	0
Office of Thrift Supervision	546	546	0	0	0	0	0	0	0	0
United States Customs Service	660	60	600	0	0	0	0	0	0	0
United States Secret Service ¹²	584	264	320	0	0	0	0	0	0	0
Department of Veterans Affairs	239 441	238 591	0	0	850	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table

**Table C-39. Preliminary Federal obligations for applied research, by agency and performer:
fiscal year 1996**

[Dollars in thousands]

Page 3 of 3

Agency and subdivision	Total	Intra- mural ¹	Extramural								Foreign
			United States and territories								
			Indus- trial firms	FFRDCs admin by in- dustrial firms	Univer- sities and colleges	FFRDCs admin by univs and colleges	Other nonprofit insti- tutions	FFRDCs admin by non- profit insti- tutions	State and local govts		
Other agencies:											
Advisory Commission on Intergovernmental Relations	1,402	1,402	0	0	0	0	0	0	0	0	
Appalachian Regional Commission	900	100	100	0	700	0	0	0	0	0	
Environmental Protection Agency	286,256	116,595	77,902	0	65,253	0	21,382	0	3,309	1,815	
Federal Communications Commission	2,819	2,819	0	0	0	0	0	0	0	0	
Federal Trade Commission	981	981	0	0	0	0	0	0	0	0	
International Development Cooperation Agency, total	224,305	33,197	9,421	0	17,944	0	133,910	0	0	29,833	
Agency for Internat'l Dvlpmnt	224,305	33,197	9,421	0	17,944	0	133,910	0	0	29,833	
Library of Congress	1,385	1,385	0	0	0	0	0	0	0	0	
National Aeronautics & Space Admin	2,272,339	568,085	1,418,350	0	107,421	95,997	69,439	611	1,329	11,107	
National Archives & Records Admin	120	120	0	0	0	0	0	0	0	0	
National Science Foundation	174,036	495	27,480	0	134,346	72	7,839	4	2,019	1,781	
Nuclear Regulatory Commission	59,184	13,872	3,632	23,271	2,155	10,803	559	1,057	0	3,835	
Social Security Administration ³	8,292	1,656	1,633	0	715	0	2,445	0	1,843	0	
Tennessee Valley Authority	19,340	19,340	0	0	0	0	0	0	0	0	
US Arms Control & Disarmament Agcy	545	90	455	0	0	0	0	0	0	0	
United States Information Agency	150	150	0	0	0	0	0	0	0	0	
US Internat'l Trade Commission	12,695	12,695	0	0	0	0	0	0	0	0	

¹ Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

² The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.

³ The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.

⁴ The Office of International Cooperation & Development became part of the Foreign Agricultural Service (FAS) in June 1994. Data reported for FAS include funds appropriated to International Cooperation & Development programs within FAS as of fiscal year 1994.

⁵ The Federal Grain Inspection Service was abolished on Oct. 20, 1994, and its functions were assumed by the Grain Inspection Packers & Stockyards Administration.

⁶ This agency's name changed from the Rural Business & Cooperative Development Service to the Rural Business Cooperative Service on Jan. 30, 1996.

⁷ This agency's name changed to the Advanced Research Projects Agency on July 13, 1993, and it was changed back to Defense Advanced Research Projects Agency in February 1996.

⁸ Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services' submission as of Vol. 45.

⁹ Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.

¹⁰ As of fiscal year 1996, data for the National Biological Service (NBS) are included with the Geological Survey's submission, since NBS's funding comes from the Geological Survey's congressional appropriation.

¹¹ The National Biological Service's (NBS) name changed from the National Biological Survey on Jan. 5, 1995. As of fiscal year 1994, NBS performs all biological research activities formerly funded by the United States Fish & Wildlife Service and the National Park Service.

¹² The United States Secret Service was formerly listed as the Office of Protective Research.

¹³ As of Mar. 31, 1995, the Social Security Administration became an independent agency; it is no longer part of the Department of Health & Human Services.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

**Table C-40. Preliminary Federal obligations for applied research, by agency and performer:
fiscal year 1997**

[Dollars in thousands]

Page 1 of 3

Agency and subdivision	Total	Intra- mural ¹	Extramural								Foreign
			United States and territories								
			Indus- trial firms	FFRDCs admin by in- dustrial firms	Univer- sities and colleges	FFRDCs admin by univs and colleges	Other nonprofit insti- tutions	FFRDCs admin by non- profit insti- tutions	State and local govts		
Total: all agencies	14,441,282	5,028,332	3,520,649	637,214	3,417,800	611,390	929,723	108,661	114,707	72,806	
Departments											
Department of Agriculture, total	678,441	449,070	5,569	0	217,927	0	3,022	0	1,317	1,536	
Agricultural Marketing Service	4,271	4,271	0	0	0	0	0	0	0	0	
Agricultural Research Service ²	264,715	251,872	0	0	10,518	0	1,034	0	107	1,184	
Cooperative State Research, Education, & Extension Service ³	208,945	10,348	5,398	0	191,371	0	928	0	900	0	
Economic Research Service	49,452	47,758	0	0	1,694	0	0	0	0	0	
Foreign Agricultural Service ⁴	355	89	0	0	266	0	0	0	0	0	
Forest Service	143,829	127,978	171	0	13,988	0	1,030	0	310	352	
Grain Inspection Packers & Stockyards Administration ⁵	2,830	2,830	0	0	0	0	0	0	0	0	
Natl Agricultural Statistics Svc	2,644	2,524	0	0	90	0	30	0	0	0	
Rural Business-Cooperative Svc ⁶	1,400	1,400	0	0	0	0	0	0	0	0	
Department of Commerce, total	829,786	604,814	152,475	0	64,489	54	4,246	0	3,092	616	
Bureau of the Census	2,564	2,564	0	0	0	0	0	0	0	0	
Economic Development Admin	1,500	30	600	0	0	0	870	0	0	0	
National Inst of Standards & Tech	327,834	167,620	150,198	0	7,757	4	1,639	0	0	616	
Natl Oceanic & Atmospheric Admin	493,143	429,855	1,677	0	56,732	50	1,737	0	3,092	0	
National Telecommunications & Information Administration	4,745	4,745	0	0	0	0	0	0	0	0	
Department of Defense, total	2,715,785	1,073,274	1,191,704	8,231	320,953	64,576	38,766	13,689	0	4,592	
Department of the Army	467,291	318,834	118,040	540	18,460	1,025	8,438	688	0	1,266	
Department of the Navy	466,971	228,816	197,061	0	37,358	1,401	1,868	467	0	0	
Department of the Air Force	638,576	367,665	221,347	747	32,913	4,541	5,447	5,332	0	584	
Defense Agencies, total	1,142,947	157,959	655,256	6,944	232,222	57,609	23,013	7,202	0	2,742	
Ballistic Missile Defense Organization	86,377	15,971	49,302	0	13,663	5,963	0	478	0	1,000	
Defense Advanced Research Projects Agency ⁷	722,751	43,940	450,762	2,169	177,400	23,258	20,945	3,702	0	575	
Defense Information Systems Agency	1,849	1,849	0	0	0	0	0	0	0	0	
Defense Logistics Agency	7,785	7,785	0	0	0	0	0	0	0	0	
Defense Nuclear Agency	196,954	41,405	141,511	1,498	682	9,482	1,049	160	0	1,167	
Special Operations Command Washington Headquarters Svcs ⁸	15,048	8,627	6,421	0	0	0	0	0	0	0	
	112,183	38,382	7,260	3,277	40,477	18,906	1,019	2,862	0	0	
Department of Education	139,773	6,808	5,448	0	96,699	0	25,701	0	5,117	0	
Department of Energy	1,540,558	183,374	172,981	529,075	93,092	438,612	35,519	68,566	5,903	13,436	
Dept of Health & Human Svcs, total	4,209,864	1,046,659	221,794	76,097	2,204,026	3,326	579,038	9,193	55,537	14,194	
Admin for Children & Families	17,522	351	0	0	15,419	0	1,752	0	0	0	
Agcy for Hlth Care Policy & Rsch	77,000	18,715	16,320	0	26,811	0	15,154	0	0	0	
Centers for Disease Control & Prevention	361,181	319,294	1,058	0	31,700	237	8,645	67	180	0	
Food & Drug Administration	170,462	153,932	0	0	9,856	0	6,674	0	0	0	
Health Care Financing Admin	55,310	51	29,724	0	6,605	0	10,173	0	8,463	294	
Health Resources & Services Admin	10,868	1,291	0	0	7,116	0	2,461	0	0	0	
National Institutes of Health ⁹	3,508,521	549,525	172,692	76,097	2,104,519	3,089	532,679	9,126	46,894	13,900	
Office of the Secretary	9,000	3,500	2,000	0	2,000	0	1,500	0	0	0	

See explanatory information, if any, and SOURCE at end of table

**Table C-40. Preliminary Federal obligations for applied research, by agency and performer:
fiscal year 1997**

[Dollars in thousands]

Page 2 of 3

Agency and subdivision	Total	Intra- mural ¹	Extramural							
			United States and territories							Foreign
			Indus- trial firms	FFRDCs admin by in- dustrial firms	Univer- sities and colleges	FFRDCs admin by univ and colleges	Other nonprofit insti- tutions	FFRDCs admin by non- profit insti- tutions	State and local govts	
Dept of Housing & Urban Dvlpmt	16,690	11,612	1,100	0	370	0	3,608	0	0	0
Department of the Interior, total	489,214	441,233	5,740	20	40,589	350	55	0	226	1,001
Bureau of Reclamation	5,730	5,655	0	0	75	0	0	0	0	0
Geological Survey ¹⁰	442,618	418,398	1,420	0	22,800	0	0	0	0	0
Minerals Management Service	20,579	7,809	2,680	20	8,483	350	10	0	226	1,001
National Park Service ¹¹	20,287	9,371	1,640	0	9,231	0	45	0	0	0
Department of Justice, total	22,811	5,076	500	0	3,175	0	13,660	0	400	0
Bureau of Prisons	1,900	1,900	0	0	0	0	0	0	0	0
Drug Enforcement Administration	50	50	0	0	0	0	0	0	0	0
Immigration & Naturalization Svc	400	40	0	0	0	0	360	0	0	0
Office of Justice Programs	20,461	3,086	500	0	3,175	0	13,300	0	400	0
Department of Labor, total	12,470	5,770	5,566	0	150	0	984	0	0	0
Bureau of Labor Statistics	1,300	1,300	0	0	0	0	0	0	0	0
Employment & Training Admin	2,375	681	810	0	150	0	734	0	0	0
Occupational Safety & Hlth Admin	3,495	1,029	2,466	0	0	0	0	0	0	0
Office of the Secretary	2,918	1,918	750	0	0	0	250	0	0	0
Pension Benefit Guaranty Corp	54	54	0	0	0	0	0	0	0	0
Pension & Welfare Benefits Admin	2,328	788	1,540	0	0	0	0	0	0	0
Department of State	500	335	101	0	23	41	0	0	0	0
Department of Transportation, total	339,998	147,964	109,881	541	29,291	2,027	13,915	675	35,634	70
Coast Guard	4,944	3,370	1,274	0	300	0	0	0	0	0
Federal Aviation Administration	67,570	35,608	24,325	135	4,730	2,027	0	675	0	70
Federal Highway Administration	181,043	65,662	59,284	406	14,201	0	6,356	0	35,134	0
Federal Railroad Administration	23,495	14,451	2,450	0	1,510	0	5,084	0	0	0
Federal Transit Administration	5,802	1,102	500	0	2,400	0	1,300	0	500	0
Maritime Administration	2,006	454	1,227	0	150	0	175	0	0	0
National Highway Traffic Safety Administration	45,663	23,681	14,982	0	6,000	0	1,000	0	0	0
Research & Special Programs Admin	9,475	3,636	5,839	0	0	0	0	0	0	0
Department of the Treasury, total	53,872	38,341	950	0	32	49	0	14,500	0	0
Bureau of Engraving & Printing	1,144	1,095	0	0	0	49	0	0	0	0
Internal Revenue Service	50,830	36,298	0	0	32	0	0	14,500	0	0
Office of Thrift Supervision	583	583	0	0	0	0	0	0	0	0
United States Customs Service	700	70	630	0	0	0	0	0	0	0
United States Secret Service ¹²	615	295	320	0	0	0	0	0	0	0
Department of Veterans Affairs	222,520	221,670	0	0	850	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table

**Table C-40. Preliminary Federal obligations for applied research, by agency and performer:
fiscal year 1997**

[Dollars in thousands]

Page 3 of 3

Agency and subdivision	Total	Intra- mural ¹	Extramural							Foreign
			United States and territories							
			Indus- trial firms	FFRDCs admin by in- dustrial firms	Univer- sities and colleges	FFRDCs admin by univs and colleges	Other nonprofit insti- tutions	FFRDCs admin by non- profit insti- tutions	State and local govts	
Other agencies										
Appalachian Regional Commission	900	100	100	0	700	0	0	0	0	0
Environmental Protection Agency	335,468	136,639	91,295	0	76,471	0	25,058	0	3,878	2,127
Federal Communications Commission	2,749	2,749	0	0	0	0	0	0	0	0
Federal Trade Commission	1,034	1,034	0	0	0	0	0	0	0	0
International Development Cooperation Agency, total	167,870	18,969	9,569	0	12,422	0	107,437	0	0	19,473
Agency for International Development	167,870	18,969	9,569	0	12,422	0	107,437	0	0	19,473
Library of Congress	1,428	1,428	0	0	0	0	0	0	0	0
National Aeronautics & Space Admin	2,355,587	588,897	1,484,756	0	107,421	89,618	71,152	629	1,433	11,681
National Archives & Records Admin	120	120	0	0	0	0	0	0	0	0
National Science Foundation	189,303	532	34,419	0	143,851	71	6,482	0	2,148	1,800
Nuclear Regulatory Commission	59,014	13,760	2,035	23,250	3,224	12,666	390	1,409	0	2,280
Social Security Administration ¹³	27,698	1,075	23,866	0	2,045	0	690	0	22	0
Tennessee Valley Authority	14,182	14,182	0	0	0	0	0	0	0	0
US Arms Control & Disarmament Agcy	1,000	200	800	0	0	0	0	0	0	0
United States Information Agency	136	136	0	0	0	0	0	0	0	0
US International Trade Commission	12,511	12,511	0	0	0	0	0	0	0	0

¹ Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

² The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.

³ The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.

⁴ The Office of International Cooperation & Development became part of the Foreign Agricultural Service (FAS) in June 1994. Data reported for FAS include funds appropriated to International Cooperation & Development programs within FAS as of fiscal year 1994.

⁵ The Federal Grain Inspection Service was abolished on Oct. 20, 1994, and its functions were assumed by the Grain Inspection Packers & Stockyards Administration.

⁶ This agency's name changed from the Rural Business & Cooperative Development Service to the Rural Business-Cooperative Service on Jan. 30, 1996.

⁷ This agency's name changed to the Advanced Research Projects Agency on July 13, 1993, and it was changed back to Defense Advanced Research Projects Agency in February 1996.

⁸ Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services' submission as of Vol. 45.

⁹ Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.

¹⁰ As of fiscal year 1996, data for the National Biological Service (NBS) are included with the Geological Survey's submission, since NBS's funding comes from the Geological Survey's congressional appropriation.

¹¹ The National Biological Service's (NBS) name changed from the National Biological Survey on Jan. 5, 1995. As of fiscal year 1994, NBS performs all biological research activities formerly funded by the United States Fish & Wildlife Service and the National Park Service.

¹² The United States Secret Service was formerly listed as the Office of Protective Research.

¹³ As of Mar. 31, 1995, the Social Security Administration became an independent agency; it is no longer part of the Department of Health & Human Services.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

BEST COPY AVAILABLE

Table C-41. Federal obligations for applied research, by detailed field of science and engineering: fiscal years 1995, 1996, and 1997

[Dollars in thousands]

Page 1 of 1

Field of science and engineering	1995	Preliminary	
		1996	1997
Total, all fields	14,677,941	14,095,711	14,441,282
Life sciences, total	5,224,137	5,253,977	5,256,213
Biological (excluding environmental)	1,605,244	NA	NA
Environmental biology	601,717	NA	NA
Agricultural	365,751	NA	NA
Medical	2,364,013	NA	NA
Life sciences, n.e.c.	287,412	NA	NA
Psychology, total	345,247	352,746	355,855
Biological aspects	28,081	NA	NA
Social aspects	134,073	NA	NA
Psychological sciences, n.e.c.	183,093	NA	NA
Physical sciences, total	1,418,542	1,161,725	1,212,600
Astronomy	32,901	NA	NA
Chemistry	309,102	NA	NA
Physics	943,798	NA	NA
Physical sciences, n.e.c.	132,741	NA	NA
Environmental sciences, total	1,474,178	1,411,410	1,459,057
Atmospheric	482,068	NA	NA
Geological	410,491	NA	NA
Oceanography	238,139	NA	NA
Environmental sciences, n.e.c.	343,480	NA	NA
Mathematics & computer sciences, total	976,915	910,483	941,505
Mathematics	94,638	NA	NA
Computer sciences	697,585	NA	NA
Mathematics & computer sciences, n.e.c.	184,692	NA	NA
Engineering, total	4,272,015	4,116,045	4,254,452
Aeronautical	977,616	NA	NA
Astronautical	480,387	NA	NA
Chemical	184,896	NA	NA
Civil	269,298	NA	NA
Electrical	552,292	NA	NA
Mechanical	248,184	NA	NA
Metallurgy & materials	447,269	NA	NA
Engineering, n.e.c.	1,112,073	NA	NA
Social sciences, total	472,039	454,837	500,889
Anthropology	6,611	NA	NA
Economics	161,806	NA	NA
Political science	15,232	NA	NA
Sociology	33,533	NA	NA
Social sciences, n.e.c.	254,857	NA	NA
Other sciences, n.e.c.	494,868	434,488	460,711

NOTES: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

The National Aeronautics and Space Administration has made a statistical adjustment to the 1994, 1995, 1996, and 1997 field of science and engineering values to diminish a computational error introduced by its software.

KEY: NA = Not applicable (indicates that the data collected for this table were not recorded at that level in that particular fiscal year)
n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

Table C-42. Federal obligations for applied research, by agency and field of science and engineering: fiscal year 1995

[Dollars in thousands]

Page 1 of 3

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Total, all agencies	14,677,941	5,224,137	345,247	1,418,542	1,474,178	976,915	4,272,015	472,039	494,868
Departments									
Department of Agriculture, total	704,649	477,910	403	48,136	9,293	14,376	54,656	96,395	3,480
Agricultural Marketing Service	4,180	4,180	0	0	0	0	0	0	0
Agricultural Research Service ¹	259,642	223,335	0	26,650	2,045	1,048	6,564	0	0
Cooperative State Research, Education, & Extension Service ²	231,720	159,092	0	15,874	1,953	0	20,371	34,430	0
Economic Research Service	48,444	0	0	0	0	0	0	48,444	0
Foreign Agricultural Service ³	114	114	0	0	0	0	0	0	0
Forest Service	154,807	89,705	403	5,612	5,295	10,631	27,721	11,960	3,480
Grain Inspection Packers & Stockyards Administration ⁴	1,484	1,484	0	0	0	0	0	0	0
Natl Agricultural Statistics Svc	2,697	0	0	0	0	2,697	0	0	0
Rural Business-Cooperative Svc ⁵	1,561	0	0	0	0	0	0	1,561	0
Department of Commerce, total	853,060	150,274	228	74,408	290,536	101,673	179,671	18,827	37,443
Bureau of the Census	2,618	0	228	0	0	1,649	0	678	63
Economic Development Admin	521	0	0	0	0	0	0	521	0
National Inst of Standards & Tech	333,145	33,233	0	52,967	165	82,722	163,875	183	0
Natl Oceanic & Atmospheric Admin	510,362	117,041	0	21,441	290,371	17,302	9,413	17,445	37,349
National Telecommunications & Information Administration	6,383	0	0	0	0	0	6,383	0	0
Office of the Secretary	31	0	0	0	0	0	0	0	31
Department of Defense, total	3,069,821	245,122	89,624	356,906	183,058	531,498	1,545,815	488	117,310
Department of the Army	633,273	124,841	9,907	58,538	29,377	80,418	322,964	488	6,740
Department of the Navy	470,533	13,740	13,881	125,115	16,280	16,233	281,284	0	4,000
Department of the Air Force	627,683	54,276	58,112	98,108	7,781	79,296	322,780	0	7,330
Defense Agencies, total	1,338,332	52,265	7,724	75,145	129,620	355,551	618,787	0	99,240
Ballistic Missile Defense Organization	93,811	0	0	16,232	4,553	23,501	46,225	0	3,300
Defense Advanced Research Projects Agency ⁶	826,817	0	0	7,724	23,844	325,576	462,077	0	7,596
Defense Information Systems Agency	1,717	0	0	0	0	0	0	0	1,717
Defense Logistics Agency	7,062	0	7,062	0	0	0	0	0	0
Defense Nuclear Agency	209,033	4,411	0	46,189	12,490	2,838	57,480	0	85,625
Special Operations Command	39,913	1,218	0	0	0	0	37,693	0	1,002
Washington Headquarters Svcs ⁷	159,979	46,636	662	5,000	88,733	3,636	15,312	0	0
Department of Education	132,817	11,973	3,688	0	0	1,229	5,737	110,190	0
Department of Energy	1,825,581	80,512	0	718,246	233,979	109,596	620,242	500	62,506
Dept of Health & Human Svcs, total	4,014,893	3,373,845	180,989	36,146	11,546	37,963	43,406	109,912	221,086
Administration on Aging	3,000	0	0	0	0	0	0	3,000	0
Admin for Children & Families	11,200	0	0	0	0	0	0	11,200	0
Agcy for Hlth Care Policy & Rsch	124,000	57,864	1,116	0	0	10,764	0	22,245	32,011
Centers for Disease Control & Prevention	317,385	317,385	0	0	0	0	0	0	0
Food & Drug Administration	170,462	170,462	0	0	0	0	0	0	0
Health Care Financing Admin	74,537	74,537	0	0	0	0	0	0	0
Health Resources & Services Admin	11,201	11,201	0	0	0	0	0	0	0
National Institutes of Health ⁸	3,273,555	2,742,396	179,873	36,146	11,546	27,199	43,406	43,914	189,075
Office of the Secretary	9,121	0	0	0	0	0	0	9,121	0
Social Security Administration ⁹	20,432	0	0	0	0	0	0	20,432	0

See explanatory information, if any, and SOURCE at end of table

Table C-42. Federal obligations for applied research, by agency and field of science and engineering: fiscal year 1995

(Dollars in thousands)

Page 2 of 3

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Dept of Housing & Urban Dvlpmnt	14,180	0	0	0	156	31	750	10,619	2,624
Department of the Interior, total	477,257	132,340	0	38,113	252,196	18,139	21,475	14,327	667
Bureau of Reclamation	5,997	0	0	0	0	0	5,997	0	0
Geological Survey ¹⁰	306,248	2,826	0	38,113	237,178	16,609	11,198	324	0
Minerals Management Service	20,010	4	0	0	12,971	1,319	3,817	1,899	0
National Biological Service ^{11 10}	125,810	125,810	0	0	0	0	0	0	0
National Park Service ¹¹	19,192	3,700	0	0	2,047	211	463	12,104	667
Department of Justice, total	17,707	0	1,032	900	0	0	400	14,105	1,270
Bureau of Prisons	3,249	0	532	0	0	0	0	2,717	0
Immigration & Naturalization Svc	400	0	0	0	0	0	400	0	0
Office of Justice Programs	14,058	0	500	900	0	0	0	11,388	1,270
Department of Labor, total	16,648	0	0	0	0	0	0	16,648	0
Bureau of Labor Statistics	1,500	0	0	0	0	0	0	1,500	0
Employment & Training Admin	4,206	0	0	0	0	0	0	4,206	0
Occupational Safety & Hlth Admin	4,370	0	0	0	0	0	0	4,370	0
Office of the Secretary	2,872	0	0	0	0	0	0	2,872	0
Pension Benefit Guaranty Corp	102	0	0	0	0	0	0	102	0
Pension & Welfare Benefits Admin	3,598	0	0	0	0	0	0	3,598	0
Department of State	500	0	0	0	0	0	0	500	0
Department of Transportation, total	323,866	5,719	34,083	1,389	5,699	72,401	175,167	14,355	15,053
Coast Guard	4,930	0	590	0	581	1,315	2,444	0	0
Federal Aviation Administration	83,291	0	30,680	1,189	1,524	0	48,539	0	1,359
Federal Highway Administration	156,268	179	2,813	0	3,394	59,490	71,932	4,766	13,694
Federal Railroad Administration	22,545	0	0	0	0	504	22,041	0	0
Federal Transit Administration	10,866	0	0	0	25	684	4,678	5,479	0
Maritime Administration	2,450	0	0	0	125	0	2,163	162	0
National Highway Traffic Safety Administration	39,707	5,540	0	0	0	9,128	21,306	3,733	0
Office of the Secretary	590	0	0	0	50	0	525	15	0
Research & Special Programs Admin	3,219	0	0	200	0	1,280	1,539	200	0
Department of the Treasury, total	48,887	633	394	1,185	0	17,430	98	29,147	0
Bureau of Engraving & Printing	1,283	0	0	1,185	0	0	98	0	0
Internal Revenue Service	45,797	0	0	0	0	17,200	0	28,597	0
Office of Thrift Supervision	550	0	0	0	0	0	0	550	0
United States Customs Service	710	480	0	0	0	230	0	0	0
United States Secret Service ¹²	547	153	394	0	0	0	0	0	0
Department of Veterans Affairs	206,416	190,334	15,891	0	0	0	191	0	0

See explanatory information, if any, and SOURCE at end of table

Table C-42. Federal obligations for applied research, by agency and field of science and engineering: fiscal year 1995

(Dollars in thousands)

Page 3 of 3

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Other agencies									
Advisory Commission on Intergovernmental Relations	1,413	0	0	0	0	0	0	1,413	0
Appalachian Regional Commission	900	0	0	0	0	0	0	900	0
Environmental Protection Agency	331,330	91,595	0	0	141,791	0	97,944	0	0
Federal Communications Commission	2,268	0	0	80	0	128	1,531	529	0
Federal Trade Commission	564	0	0	0	0	0	0	564	0
International Development Cooperation									
Agency total	270,382	259,991	0	0	0	0	0	7,844	2,547
Agency for International Development	270,382	259,991	0	0	0	0	0	7,844	2,547
Library of Congress	1,594	0	0	0	0	0	0	0	1,594
National Aeronautics & Space Administration ¹	2,067,896	184,692	15,447	119,213	338,560	55,709	1,347,714	0	6,561
National Archives & Records Administration	120	0	0	120	0	0	0	0	0
National Science Foundation									
Nuclear Regulatory Commission	176,013	17,053	3,468	17,884	6,422	16,607	86,342	11,954	16,283
Tennessee Valley Authority	88,212	0	0	0	0	0	88,212	0	0
US Arms Control & Disarmament Agency	17,380	2,094	0	5,300	942	0	2,325	475	6,244
United States Information Agency	1,146	50	0	516	0	135	50	195	200
US International Trade Commission	289	0	0	0	0	0	289	0	0
	12,152	0	0	0	0	0	0	12,152	0

- ¹ The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.
- ² The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.
- ³ The Office of International Cooperation & Development became part of the Foreign Agricultural Service (FAS) in June 1994. Data reported for FAS include funds appropriated to International Cooperation & Development programs within FAS as of fiscal year 1994.
- ⁴ The Federal Grain Inspection Service was abolished on Oct. 20, 1994, and its functions were assumed by the Grain Inspection Packers & Stockyards Administration.
- ⁵ This agency's name changed from the Rural Business & Cooperative Development Service to the Rural Business-Cooperative Service on Jan. 30, 1996.
- ⁶ This agency's name changed to the Advanced Research Projects Agency on July 13, 1993, and it was changed back to Defense Advanced Research Projects Agency in February 1996.
- ⁷ Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services' submission as of Vol. 45.
- ⁸ Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.
- ⁹ As of Mar. 31, 1995, the Social Security Administration became an independent agency; it is no longer part of the Department of Health & Human Services.
- ¹⁰ As of fiscal year 1996, data for the National Biological Service (NBS) are included with the Geological Survey's submission, since NBS's funding comes from the Geological Survey's congressional appropriation.
- ¹¹ The National Biological Service's (NBS) name changed from the National Biological Survey on Jan. 5, 1995. As of fiscal year 1994, NBS performs all biological research activities formerly funded by the United States Fish & Wildlife Service and the National Park Service.
- ¹² The United States Secret Service was formerly listed as the Office of Protective Research.
- ¹³ The National Aeronautics and Space Administration has made a statistical adjustment to the 1994, 1995, 1996, and 1997 field of science and engineering values to diminish a computational error introduced by its software.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

Table C-43. Preliminary Federal obligations for applied research, by agency and field of science and engineering: fiscal year 1996

(Dollars in thousands)

Page 1 of 3

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Total, all agencies	14,095,711	5,253,977	352,746	1,161,725	1,411,410	910,483	4,116,045	454,837	434,488
Departments:									
Department of Agriculture, total	685,762	461,781	371	51,648	8,996	13,608	52,493	93,665	3,200
Agricultural Marketing Service	4,237	4,237	0	0	0	0	0	0	0
Agricultural Research Service ¹	258,728	217,103	0	31,101	2,245	1,221	7,058	0	0
Cooperative State Research, Education, & Extension Service ²	225,419	154,774	0	15,384	1,880	0	19,936	33,445	0
Economic Research Service	47,818	0	0	0	0	0	0	47,818	0
Foreign Agricultural Service ³	355	355	0	0	0	0	0	0	0
Forest Service	142,400	82,515	371	5,163	4,871	9,779	25,499	11,002	3,200
Grain Inspection Packers & Stockyards Administration ⁴	2,797	2,797	0	0	0	0	0	0	0
Nat'l Agricultural Statistics Svc	2,608	0	0	0	0	2,608	0	0	0
Rural Business-Cooperative Svc ⁵	1,400	0	0	0	0	0	0	1,400	0
Department of Commerce, total	860,512	155,795	223	76,098	260,062	110,806	199,256	19,285	38,987
Bureau of the Census	2,564	0	223	0	0	1,615	0	664	62
Economic Development Admin	500	0	0	0	0	0	0	500	0
National Inst of Standards & Tech	371,790	39,079	0	55,637	189	91,202	185,474	209	0
Nat'l Oceanic & Atmospheric Admin	481,151	116,716	0	20,461	259,873	17,989	9,303	17,912	38,897
National Telecommunications & Information Administration	4,479	0	0	0	0	0	4,479	0	0
Office of the Secretary	28	0	0	0	0	0	0	0	28
Department of Defense, total	2,814,272	216,549	97,600	363,093	117,082	457,886	1,460,030	1,786	100,246
Department of the Army	458,641	70,713	7,391	36,776	18,867	52,806	270,188	368	1,532
Department of the Navy	568,346	16,596	16,767	151,123	19,664	19,609	339,757	0	4,830
Department of the Air Force	648,131	57,252	62,764	100,739	12,363	69,685	345,328	0	0
Defense Agencies, total	1,139,154	71,988	10,678	74,455	66,188	315,786	504,757	1,418	93,884
Ballistic Missile Defense Organization	74,594	0	0	22,739	0	21,536	30,319	0	0
Defense Advanced Research Projects Agency ⁶	711,626	0	0	2,045	18,880	281,794	391,563	0	17,344
Defense Information Systems Agency	1,455	0	0	0	0	0	0	0	1,455
Defense Logistics Agency	7,981	0	7,981	0	0	0	0	0	0
Defense Nuclear Agency	168,417	2,688	0	37,149	2,841	1,847	49,355	0	74,537
Special Operations Command	21,787	664	0	0	0	0	20,575	0	548
Washington Headquarters Svc ⁷	153,294	68,636	2,697	12,522	44,467	10,609	12,945	1,418	0
Department of Education	138,164	12,503	3,278	0	0	819	6,556	115,008	0
Department of Energy	1,342,767	73,953	0	397,926	225,414	115,690	503,140	621	26,023
Dept of Health & Human Svcs, total	4,083,076	3,474,949	189,277	38,270	12,067	33,925	45,854	74,119	214,615
Admin for Children & Families	8,300	0	0	0	0	0	0	8,300	0
Agcy for Hlth Care Policy & Rsch	59,000	27,730	0	0	0	5,310	0	10,620	15,340
Centers for Disease Control & Prevention	323,181	323,181	0	0	0	0	0	0	0
Food & Drug Administration	170,462	170,462	0	0	0	0	0	0	0
Health Care Financing Admin	54,500	54,500	0	0	0	0	0	0	0
Health Resources & Services Admin	10,963	10,963	0	0	0	0	0	0	0
National Institutes of Health ⁸	3,447,670	2,888,113	189,277	38,270	12,067	28,615	45,854	46,199	199,275
Office of the Secretary	9,000	0	0	0	0	0	0	9,000	0

See explanatory information, if any, and SOURCE at end of table.

BEST COPY AVAILABLE

Table C-43. Preliminary Federal obligations for applied research, by agency and field of science and engineering: fiscal year 1996

[Dollars in thousands]

Page 2 of 3

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Dept of Housing & Urban Dvlpmnt	12,162	0	0	0	111	265	253	10,855	678
Department of the Interior, total	483,740	122,529	0	39,714	267,426	18,166	20,815	14,423	667
Bureau of Reclamation	4,523	0	0	0	0	0	4,523	0	0
Geological Survey ⁹	439,069	118,790	0	39,714	251,473	17,138	11,623	331	0
Minerals Management Service	20,774	39	0	0	13,906	817	4,206	1,806	0
National Park Service ¹⁰	19,374	3,700	0	0	2,047	211	463	12,286	667
Department of Justice, total	18,919	0	975	1,000	0	0	400	14,749	1,795
Bureau of Prisons	1,900	0	475	0	0	0	0	1,425	0
Drug Enforcement Administration	45	0	0	0	0	0	0	0	45
Immigration & Naturalization Svc	400	0	0	0	0	0	400	0	0
Office of Justice Programs	16,574	0	500	1,000	0	0	0	13,324	1,750
Department of Labor, total	13,187	0	0	0	0	0	0	13,187	0
Bureau of Labor Statistics	1,800	0	0	0	0	0	0	1,800	0
Employment & Training Admin	3,023	0	0	0	0	0	0	3,023	0
Occupational Safety & Hlth Admin	3,175	0	0	0	0	0	0	3,175	0
Office of the Secretary	2,871	0	0	0	0	0	0	2,871	0
Pension Benefit Guaranty Corp	53	0	0	0	0	0	0	53	0
Pension & Welfare Benefits Admin	2,265	0	0	0	0	0	0	2,265	0
Department of State	500	0	0	0	0	0	0	500	0
Department of Transportation, total	288,251	8,340	24,571	1,400	4,996	68,510	155,522	10,325	14,587
Coast Guard	5,010	0	673	0	673	1,248	2,416	0	0
Federal Aviation Administration	60,373	2,500	23,731	1,000	865	0	31,797	0	480
Federal Highway Administration	152,405	480	167	0	3,458	56,648	72,248	5,297	14,107
Federal Railroad Administration	19,913	0	0	0	0	314	19,599	0	0
Federal Transit Administration	5,515	0	0	0	0	389	4,602	524	0
National Highway Traffic Safety Administration	38,185	5,360	0	0	0	8,561	20,160	4,104	0
Research & Special Programs Admin	6,850	0	0	400	0	1,350	4,700	400	0
Department of the Treasury, total	50,209	160	424	1,881	0	14,500	2	33,242	0
Bureau of Engraving & Printing	1,223	0	0	1,221	0	0	2	0	0
Internal Revenue Service	47,196	0	0	0	0	14,500	0	32,696	0
Office of Thrift Supervision	546	0	0	0	0	0	0	546	0
United States Customs Service	660	0	0	660	0	0	0	0	0
United States Secret Service ¹¹	584	160	424	0	0	0	0	0	0
Department of Veterans Affairs	239,441	223,201	16,035	0	0	0	205	0	0

See explanatory information, if any, and SOURCE at end of table

Table C-43. Preliminary Federal obligations for applied research, by agency and field of science and engineering: fiscal year 1996

[Dollars in thousands]

Page 3 of 3

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Other agencies									
Advisory Commission on Intergovernmental Relations	1,402	0	0	0	0	0	0	1,402	0
Appalachian Regional Commission	900	0	0	0	0	0	0	900	0
Environmental Protection Agency	286,256	79,135	0	0	122,505	0	84,616	0	0
Federal Communications Commission	2,819	0	0	85	0	160	1,457	1,117	0
Federal Trade Commission	981	0	0	0	0	0	0	981	0
International Development Cooperation Agency, total	224,305	207,812	0	0	0	0	0	14,723	1,770
Agency for International Development	224,305	207,812	0	0	0	0	0	14,723	1,770
Library of Congress	1,385	0	0	0	0	0	0	0	1,385
Natl Aeronautics & Space Admin ¹²	2,272,339	198,730	16,498	163,643	385,210	59,938	1,440,437	0	7,883
National Archives & Records Admin	120	0	0	120	0	0	0	0	0
National Science Foundation	174,036	16,088	3,494	20,302	6,438	16,210	82,953	12,227	16,324
Nuclear Regulatory Commission	59,184	0	0	0	0	0	59,184	0	0
Social Security Administration ¹³	8,292	0	0	0	0	0	0	8,292	0
Tennessee Valley Authority	19,340	2,452	0	6,205	1,103	0	2,722	555	6,303
US Arms Control & Disarmament Agcy	545	0	0	340	0	0	0	180	25
United States Information Agency	150	0	0	0	0	0	150	0	0
US International Trade Commission	12,695	0	0	0	0	0	0	12,695	0

- ¹ The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.
- ² The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.
- ³ The Office of International Cooperation & Development became part of the Foreign Agricultural Service (FAS) in June 1994. Data reported for FAS include funds appropriated to International Cooperation & Development programs within FAS as of fiscal year 1994.
- ⁴ The Federal Grain Inspection Service was abolished on Oct. 20, 1994, and its functions were assumed by the Grain Inspection Packers & Stockyards Administration.
- ⁵ This agency's name changed from the Rural Business & Cooperative Development Service to the Rural Business-Cooperative Service on Jan. 30, 1996.
- ⁶ This agency's name changed to the Advanced Research Projects Agency on July 13, 1993, and it was changed back to Defense Advanced Research Projects Agency in February 1996.
- ⁷ Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services' submission as of Vol. 45.
- ⁸ Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.
- ⁹ As of fiscal year 1996, data for the National Biological Service (NBS) are included with the Geological Survey's submission, since NBS's funding comes from the Geological Survey's congressional appropriation.
- ¹⁰ The National Biological Service's (NBS) name changed from the National Biological Survey on Jan. 5, 1995. As of fiscal year 1994, NBS performs all biological research activities formerly funded by the United States Fish & Wildlife Service and the National Park Service.
- ¹¹ The United States Secret Service was formerly listed as the Office of Protective Research.
- ¹² The National Aeronautics and Space Administration has made a statistical adjustment to the 1994, 1995, 1996, and 1997 field of science and engineering values to diminish a computational error introduced by its software.
- ¹³ As of Mar. 31, 1995, the Social Security Administration became an independent agency; it is no longer part of the Department of Health & Human Services.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

Table C-44. Preliminary Federal obligations for applied research, by agency and field of science and engineering: fiscal year 1997

[Dollars in thousands]

Page 1 of 3

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Total, all agencies	14,441,282	5,256,213	355,855	1,212,600	1,459,057	941,505	4,254,452	500,889	460,711
Departments:									
Department of Agriculture, total	678,441	463,103	375	50,269	8,569	13,742	48,267	90,884	3,232
Agricultural Marketing Service	4,271	4,271	0	0	0	0	0	0	0
Agricultural Research Service ¹	264,715	223,090	0	31,101	2,245	1,221	7,058	0	0
Cooperative State Research, Education, & Extension Service ²	208,945	149,215	0	13,953	1,404	0	15,454	28,919	0
Economic Research Service	49,452	0	0	0	0	0	0	49,452	0
Foreign Agricultural Service ³	355	355	0	0	0	0	0	0	0
Forest Service	143,829	83,342	375	5,215	4,920	9,877	25,755	11,113	3,232
Grain Inspection Packers & Stockyards Administration ⁴	2,830	2,830	0	0	0	0	0	0	0
Nat'l Agricultural Statistics Svc	2,644	0	0	0	0	2,644	0	0	0
Rural Business Cooperative Svc ⁵	1,400	0	0	0	0	0	0	1,400	0
Department of Commerce, total	829,786	143,992	223	76,194	270,530	99,447	176,760	21,087	41,553
Bureau of the Census	2,564	0	223	0	0	1,615	0	664	62
Economic Development Admin	1,500	0	0	0	0	0	0	1,500	0
National Inst of Standards & Tech	327,834	30,121	0	55,860	192	78,760	162,689	212	0
Nat'l Oceanic & Atmospheric Admin	493,143	113,871	0	20,334	270,338	19,072	9,326	18,711	41,491
National Telecommunications & Information Administration	4,745	0	0	0	0	0	4,745	0	0
Department of Defense, total	2,715,785	186,881	97,943	339,490	90,670	461,837	1,431,825	3,125	104,014
Department of the Army	467,291	66,093	9,052	36,493	21,102	53,621	275,337	476	5,117
Department of the Navy	466,971	13,635	13,776	124,168	16,156	16,111	279,156	0	3,969
Department of the Air Force	638,576	60,591	64,495	97,086	8,724	63,095	344,585	0	0
Defense Agencies, total	1,142,947	46,562	10,620	81,743	44,688	329,010	532,747	2,649	94,928
Ballistic Missile Defense Organization	86,377	0	0	32,257	0	24,800	29,320	0	0
Defense Advanced Research Projects Agency ⁶	722,751	0	0	1,068	0	295,006	417,749	0	8,928
Defense Information Systems Agency	1,849	0	0	0	0	0	0	0	1,849
Defense Logistics Agency	7,785	0	7,785	0	0	0	0	0	0
Defense Nuclear Agency	196,954	4,032	0	42,995	1,910	2,247	61,997	0	83,773
Special Operations Command	15,048	459	0	0	0	0	14,211	0	378
Washington Headquarters Svcs ⁷	112,183	42,071	2,835	5,423	42,778	6,957	9,470	2,649	0
Department of Education	139,773	12,186	3,331	0	0	833	6,663	116,760	0
Department of Energy	1,540,558	57,151	0	431,220	236,235	128,402	654,307	553	32,690
Dept of Health & Human Svcs, total	4,209,864	3,573,099	192,618	38,945	12,280	36,051	46,663	87,396	222,812
Admin for Children & Families	17,522	0	0	0	0	0	0	17,522	0
Agcy for Hlth Care Policy & Rsch	77,000	36,190	0	0	0	6,930	0	13,860	20,020
Centers for Disease Control & Prevention	361,181	361,181	0	0	0	0	0	0	0
Food & Drug Administration	170,462	170,462	0	0	0	0	0	0	0
Health Care Financing Admin	55,310	55,310	0	0	0	0	0	0	0
Health Resources & Services Admin	10,868	10,868	0	0	0	0	0	0	0
National Institutes of Health ⁸	3,508,521	2,939,088	192,618	38,945	12,280	29,121	46,663	47,014	202,792
Office of the Secretary	9,000	0	0	0	0	0	0	9,000	0

See explanatory information, if any, and SOURCE at end of table.

Table C-44. Preliminary Federal obligations for applied research, by agency and field of science and engineering: fiscal year 1997

[Dollars in thousands]

Page 2 of 3

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Dept of Housing & Urban Dvlpmnt	16,690	0	0	0	133	136	296	14,935	1,190
Department of the Interior, total	489,214	128,649	0	38,984	265,663	18,247	21,631	15,373	667
Bureau of Reclamation	5,730	0	0	0	0	0	5,730	0	0
Geological Survey ⁹	442,618	124,910	0	38,984	249,636	17,215	11,514	359	0
Minerals Management Service	20,579	39	0	0	13,980	821	3,924	1,815	0
National Park Service ¹⁰	20,287	3,700	0	0	2,047	211	463	13,199	667
Department of Justice, total	22,811	0	475	1,000	0	0	400	19,902	1,034
Bureau of Prisons	1,900	0	475	0	0	0	0	1,425	0
Drug Enforcement Administration	50	0	0	0	0	0	0	0	50
Immigration & Naturalization Svc	400	0	0	0	0	0	400	0	0
Office of Justice Programs	20,461	0	0	1,000	0	0	0	18,477	984
Department of Labor, total	12,470	0	0	0	0	0	0	12,270	200
Bureau of Labor Statistics	1,300	0	0	0	0	0	0	1,300	0
Employment & Training Admin	2,375	0	0	0	0	0	0	2,375	0
Occupational Safety & Hlth Admin	3,495	0	0	0	0	0	0	3,495	0
Office of the Secretary	2,918	0	0	0	0	0	0	2,718	200
Pension Benefit Guaranty Corp	54	0	0	0	0	0	0	54	0
Pension & Welfare Benefits Admin	2,328	0	0	0	0	0	0	2,328	0
Department of State	500	0	0	0	0	0	0	500	0
Department of Transportation, total	339,998	12,141	25,274	2,558	6,199	89,951	170,980	10,663	22,232
Coast Guard	4,944	0	618	0	610	1,208	2,508	0	0
Federal Aviation Administration	67,570	4,178	24,543	2,258	1,696	0	28,711	0	6,184
Federal Highway Administration	181,043	553	113	0	3,808	76,704	78,941	4,876	16,048
Federal Railroad Administration	23,495	0	0	0	0	100	23,395	0	0
Federal Transit Administration	5,802	0	0	0	0	113	5,120	569	0
Maritime Administration	2,006	0	0	0	85	0	1,836	85	0
National Highway Traffic Safety Administration	45,663	7,410	0	0	0	10,376	23,044	4,833	0
Research & Special Programs Admin	9,475	0	0	300	0	1,450	7,425	300	0
Department of the Treasury, total	53,872	510	455	1,394	0	14,500	100	36,913	0
Bureau of Engraving & Printing	1,144	0	0	1,044	0	0	100	0	0
Internal Revenue Service	50,830	0	0	0	0	14,500	0	36,330	0
Office of Thrift Supervision	583	0	0	0	0	0	0	583	0
United States Customs Service	700	350	0	350	0	0	0	0	0
United States Secret Service ¹¹	615	160	455	0	0	0	0	0	0
Department of Veterans Affairs	222,520	207,300	15,020	0	0	0	200	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-44. Preliminary Federal obligations for applied research, by agency and field of science and engineering: fiscal year 1997

[Dollars in thousands]

Page 3 of 3

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Other agencies									
Appalachian Regional Commission	900	0	0	0	0	0	0	900	0
Environmental Protection Agency	335,468	92,740	0	0	143,565	0	99,163	0	0
Federal Communications Commission	2,749	0	0	90	0	142	1,485	1,032	0
Federal Trade Commission	1,034	0	0	0	0	0	0	1,034	0
International Development Cooperation Agency, total	167,870	150,962	0	0	0	0	0	14,247	2,661
Agency for International Development	167,870	150,962	0	0	0	0	0	14,247	2,661
Library of Congress	1,428	0	0	0	0	0	0	0	1,428
Natl Aeronautics & Space Admin ²	2,355,587	200,942	16,530	208,901	415,170	60,595	1,444,474	0	8,975
National Archives & Records Admin	120	0	0	120	0	0	0	0	0
National Science Foundation	189,303	17,528	3,611	22,009	7,087	17,513	91,113	12,886	17,556
Nuclear Regulatory Commission	59,014	0	0	0	0	0	59,014	0	0
Social Security Administration ³	27,698	0	0	0	0	0	0	27,698	0
Tennessee Valley Authority	14,182	8,999	0	916	2,956	29	945	0	337
US Arms Control & Disarmament Agcy	1,000	30	0	510	0	80	30	220	130
United States Information Agency	136	0	0	0	0	0	136	0	0
US International Trade Commission	12,511	0	0	0	0	0	0	12,511	0

¹ The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.

² The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.

³ The Office of International Cooperation & Development became part of the Foreign Agricultural Service (FAS) in June 1994. Data reported for FAS include funds appropriated to International Cooperation & Development programs within FAS as of fiscal year 1994.

⁴ The Federal Grain Inspection Service was abolished on Oct. 20, 1994, and its functions were assumed by the Grain Inspection Packers & Stockyards Administration.

⁵ This agency's name changed from the Rural Business & Cooperative Development Service to the Rural Business-Cooperative Service on Jan. 30, 1996.

⁶ This agency's name changed to the Advanced Research Projects Agency on July 13, 1993, and it was changed back to Defense Advanced Research Projects Agency in February 1996.

⁷ Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services' submission as of Vol. 45.

⁸ Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.

⁹ As of fiscal year 1996, data for the National Biological Service (NBS) are included with the Geological Survey's submission, since NBS's funding comes from the Geological Survey's congressional appropriation.

¹⁰ The National Biological Service's (NBS) name changed from the National Biological Survey on Jan. 5, 1995. As of fiscal year 1994, NBS performs all biological research activities formerly funded by the United States Fish & Wildlife Service and the National Park Service.

¹¹ The United States Secret Service was formerly listed as the Office of Protective Research.

¹² The National Aeronautics and Space Administration has made a statistical adjustment to the 1994, 1995, 1996, and 1997 field of science and engineering values to diminish a computational error introduced by its software.

¹³ As of Mar. 31, 1995, the Social Security Administration became an independent agency; it is no longer part of the Department of Health & Human Services.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

Table C-45. Federal obligations for applied research in psychology and life sciences, by agency and detailed field of science: fiscal year 1995

[Dollars in thousands]

Page 1 of 2

Agency and subdivision	Psychology				Life sciences					
	Total	Bio-logical aspects	Social aspects	Psycho-logical sciences, n.e.c.	Total	Bio-logical	Environ-mental biology	Agri-cultural	Medical	Life sciences, n.e.c.
Total, all agencies	345,247	28,081	134,073	183,093	5,224,137	1,605,244	601,717	365,751	2,364,013	287,412
Departments:										
Department of Agriculture, total	403	0	403	0	477,910	54,123	146,229	265,314	12,239	5
Agricultural Marketing Service	0	0	0	0	4,180	0	0	4,180	0	0
Agricultural Research Service ¹	0	0	0	0	223,335	5,620	33,922	180,116	3,672	5
Cooperative State Research, Education, & Extension Service ²	0	0	0	0	159,092	31,589	44,749	78,005	4,749	0
Foreign Agricultural Service ³	0	0	0	0	114	0	0	114	0	0
Forest Service	403	0	403	0	89,705	16,914	67,558	1,415	3,818	0
Grain Inspection Packers & Stockyards Administration ⁴	0	0	0	0	1,484	0	0	1,484	0	0
Department of Commerce, total	228	0	228	0	150,274	37,594	70,708	21,847	19,284	841
Bureau of the Census	228	0	228	0	0	0	0	0	0	0
National Inst of Standards & Tech	0	0	0	0	33,233	18,771	0	0	14,462	0
Natl Oceanic & Atmospheric Admin	0	0	0	0	117,041	18,823	70,708	21,847	4,822	841
Department of Defense, total	89,624	4,289	80,127	5,208	245,122	22,428	31,912	0	152,105	38,677
Department of the Army	9,907	640	9,267	0	124,841	6,748	1,561	0	116,532	0
Department of the Navy	13,881	2,118	11,763	0	13,740	5,881	1,601	0	6,258	0
Department of the Air Force	58,112	869	52,035	5,208	54,276	0	28,370	0	21,567	4,339
Defense Agencies, total	7,724	662	7,062	0	52,265	9,799	380	0	7,748	34,338
Defense Logistics Agency	7,062	0	7,062	0	0	0	0	0	0	0
Defense Nuclear Agency	0	0	0	0	4,411	4,361	0	0	50	0
Special Operations Command	0	0	0	0	1,218	0	0	0	0	1,218
Washington Headquarters Svcs ⁵	662	662	0	0	46,636	5,438	380	0	7,698	33,120
Department of Education	3,688	0	2,576	1,112	11,973	0	0	0	4,721	7,252
Department of Energy	0	0	0	0	80,512	28,239	1,841	0	47,374	3,058
Dept of Health & Human Svcs, total	180,989	7,301	3,112	170,576	3,373,845	1,295,857	15,144	62,135	1,832,396	168,313
Agcy for Hlth Care Policy & Rsch	1,116	21	732	363	57,864	0	0	0	46,619	11,245
Centers for Disease Control & Prevention	0	0	0	0	317,385	0	0	0	317,385	0
Food & Drug Administration	0	0	0	0	170,462	90,337	0	62,135	0	17,990
Health Care Financing Admin	0	0	0	0	74,537	0	0	0	0	74,537
Health Resources & Services Admin	0	0	0	0	11,201	0	0	0	11,201	0
National Institutes of Health ⁶	179,873	7,280	2,380	170,213	2,742,396	1,205,520	15,144	0	1,457,191	64,541
Department of the Interior, total	0	0	0	0	132,340	69,209	62,930	201	0	0
Geological Survey ⁷	0	0	0	0	2,826	1,270	1,424	132	0	0
Minerals Management Service	0	0	0	0	4	0	4	0	0	0
National Biological Service ^{8, 7}	0	0	0	0	125,810	66,679	59,131	0	0	0
National Park Service ⁸	0	0	0	0	3,700	1,260	2,371	69	0	0
Department of Justice, total	1,032	0	625	407	0	0	0	0	0	0
Bureau of Prisons	532	0	325	207	0	0	0	0	0	0
Office of Justice Programs	500	0	300	200	0	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-45. Federal obligations for applied research in psychology and life sciences, by agency and detailed field of science: fiscal year 1995

[Dollars in thousands]

Page 2 of 2

Agency and subdivision	Psychology				Life sciences					
	Total	Bio-logical aspects	Social aspects	Psycho-logical sciences, n.e.c.	Total	Bio-logical	Environ-mental biology	Agricu-ltural	Medical	Life sciences, n.e.c.
Department of Transportation, total	34,083	0	31,641	2,442	5,719	0	36	143	0	5,540
Coast Guard	590	0	590	0	0	0	0	0	0	0
Federal Aviation Administration	30,680	0	30,680	0	0	0	0	0	0	0
Federal Highway Administration	2,813	0	371	2,442	179	0	36	143	0	0
National Highway Traffic Safety Administration	0	0	0	0	5,540	0	0	0	0	5,540
Department of the Treasury, total	394	0	0	394	633	480	0	0	153	0
United States Customs Service	0	0	0	0	480	480	0	0	0	0
United States Secret Service ⁹	394	0	0	394	153	0	0	0	153	0
Department of Veterans Affairs	15,891	15,861	30	0	190,334	31,523	0	0	158,811	0
Other agencies:										
Environmental Protection Agency	0	0	0	0	91,595	0	74,223	0	17,372	0
International Development Cooperation Agency, total	0	0	0	0	259,991	0	184,685	14,017	8,240	53,049
Agency for International Development	0	0	0	0	259,991	0	184,685	14,017	8,240	53,049
Natl Aeronautics & Space Admin ¹⁰	15,447	0	14,247	1,200	184,692	59,094	5,894	0	111,318	8,386
National Science Foundation	3,468	630	1,084	1,754	17,053	6,697	8,115	0	0	2,241
Tennessee Valley Authority	0	0	0	0	2,094	0	0	2,094	0	0
US Arms Control & Disarmament Agcy	0	0	0	0	50	0	0	0	0	50

¹ The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.

² The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.

³ The Office of International Cooperation & Development became part of the Foreign Agricultural Service (FAS) in June 1994. Data reported for FAS include funds appropriated to International Cooperation & Development programs within FAS as of fiscal year 1994.

⁴ The Federal Grain Inspection Service was abolished on Oct. 20, 1994, and its functions were assumed by the Grain Inspection Packers & Stockyards Administration.

⁵ Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services' submission as of Vol. 45.

⁶ Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.

⁷ As of fiscal year 1996, data for the National Biological Service (NBS) are included with the Geological Survey's submission, since NBS's funding comes from the Geological Survey's congressional appropriation.

⁸ The National Biological Service's (NBS) name changed from the National Biological Survey on Jan. 5, 1995. As of fiscal year 1994, NBS performs all biological research activities formerly funded by the United States Fish & Wildlife Service and the National Park Service.

⁹ The United States Secret Service was formerly listed as the Office of Protective Research.

¹⁰ The National Aeronautics and Space Administration has made a statistical adjustment to the 1994, 1995, 1996, and 1997 field of science and engineering values to diminish a computational error introduced by its software.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

Table C-46. Federal obligations for applied research in physical and environmental sciences, by agency and detailed field of science: fiscal year 1995

[Dollars in thousands]

Page 1 of 2

Agency and subdivision	Physical sciences					Environmental sciences				
	Total	Astronomy	Chem- istry	Physics	Physical sciences, n.e.c.	Total	Atmos- pheric	Geo- logical	Ocean- ography	Environ- mental sciences, n.e.c.
Total, all agencies	1,418,542	32,901	309,102	943,798	132,741	1,474,178	482,068	410,491	238,139	343,480
Departments:										
Department of Agriculture, total	48,136	0	45,262	2,874	0	9,293	7,897	1,392	0	4
Agricultural Research Service ¹	26,650	0	25,268	1,382	0	2,045	1,891	150	0	4
Cooperative State Research, Education, & Extension Service ²	15,874	0	15,874	0	0	1,953	1,953	0	0	0
Forest Service	5,612	0	4,120	1,492	0	5,295	4,053	1,242	0	0
Department of Commerce, total	74,408	0	31,883	41,787	738	290,536	140,884	43,368	95,930	10,354
National Inst of Standards & Tech	52,967	0	20,178	32,051	738	165	0	165	0	0
Nat'l Oceanic & Atmospheric Admin	21,441	0	11,705	9,736	0	290,371	140,884	43,203	95,930	10,354
Department of Defense, total	356,906	0	57,263	268,857	30,786	183,058	55,814	34,748	37,974	54,522
Department of the Army	58,538	0	31,618	15,679	11,241	29,377	6,486	813	486	21,592
Department of the Navy	125,115	0	11,621	110,717	2,777	16,280	3,059	1,459	11,762	0
Department of the Air Force	98,108	0	4,984	92,581	543	7,781	1,221	1,435	0	5,125
Defense Agencies, total	75,145	0	9,040	49,880	16,225	129,620	45,048	31,041	25,726	27,805
Ballistic Missile Defense Organization	16,232	0	3,645	11,587	1,000	4,553	4,553	0	0	0
Defense Advanced Research Projects Agency ³	7,724	0	395	4,678	2,651	23,844	0	17,151	6,666	27
Defense Nuclear Agency	46,189	0	0	33,615	12,574	12,490	5,760	0	0	6,730
Washington Headquarters Svcs ⁴	5,000	0	5,000	0	0	88,733	34,735	13,890	19,060	21,048
Department of Energy	718,246	0	86,946	548,415	82,885	233,979	8,996	48,677	1,410	174,896
Dept of Health & Human Svcs, total	36,146	0	31,342	4,804	0	11,546	0	0	0	11,546
National Institutes of Health ⁵	36,146	0	31,342	4,804	0	11,546	0	0	0	11,546
Dept of Housing & Urban Dvlpmt	0	0	0	0	0	156	0	0	0	156
Department of the Interior, total	38,113	0	31,761	6,352	0	252,196	3,126	236,427	12,643	0
Geological Survey ⁶	38,113	0	31,761	6,352	0	237,178	751	236,427	0	0
Minerals Management Service	0	0	0	0	0	12,971	402	0	12,569	0
National Park Service ⁷	0	0	0	0	0	2,047	1,973	0	74	0
Department of Justice, total	900	0	300	0	600	0	0	0	0	0
Office of Justice Programs	900	0	300	0	600	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-46. Federal obligations for applied research in physical and environmental sciences, by agency and detailed field of science: fiscal year 1995

[Dollars in thousands]

Page 2 of 2

Agency and subdivision	Physical sciences					Environmental sciences				
	Total	Astronomy	Chemistry	Physics	Physical sciences, n.e.c.	Total	Atmospheric	Geological	Oceanography	Environmental sciences, n.e.c.
Department of Transportation, total	1,389	0	0	1,189	200	5,699	3,627	102	581	1,389
Coast Guard	0	0	0	0	0	581	0	0	581	0
Federal Aviation Administration	1,189	0	0	1,189	0	1,524	1,524	0	0	0
Federal Highway Administration	0	0	0	0	0	3,394	1,978	77	0	1,339
Federal Transit Administration	0	0	0	0	0	25	0	25	0	0
Maritime Administration	0	0	0	0	0	125	125	0	0	0
Office of the Secretary	0	0	0	0	0	50	0	0	0	50
Research & Special Programs Admin	200	0	0	0	200	0	0	0	0	0
Department of the Treasury, total	1,185	0	233	142	810	0	0	0	0	0
Bureau of Engraving & Printing	1,185	0	233	142	810	0	0	0	0	0
Other agencies:										
Environmental Protection Agency	0	0	0	0	0	141,791	66,120	9,225	0	66,446
Federal Communications Commission	80	0	0	0	80	0	0	0	0	0
Natl Aeronautics & Space Admin ⁸	119,213	32,872	8,465	64,859	13,017	338,560	193,825	33,168	88,311	23,256
National Archives & Records Admin	120	0	80	40	0	0	0	0	0	0
National Science Foundation	17,884	29	10,023	4,309	3,523	6,422	837	3,384	1,290	911
Tennessee Valley Authority	5,300	0	5,300	0	0	942	942	0	0	0
US Arms Control & Disarmament Agcy	516	0	244	170	102	0	0	0	0	0

- 1 The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.
- 2 The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.
- 3 This agency's name changed to the Advanced Research Projects Agency on July 13, 1993, and it was changed back to Defense Advanced Research Projects Agency in February 1996.
- 4 Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services' submission as of Vol. 45.
- 5 Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.
- 6 As of fiscal year 1996, data for the National Biological Service (NBS) are included with the Geological Survey's submission, since NBS's funding comes from the Geological Survey's congressional appropriation.
- 7 The National Biological Service's (NBS) name changed from the National Biological Survey on Jan. 5, 1995. As of fiscal year 1994, NBS performs all biological research activities formerly funded by the United States Fish & Wildlife Service and the National Park Service.
- 8 The National Aeronautics and Space Administration has made a statistical adjustment to the 1994, 1995, 1996, and 1997 field of science and engineering values to diminish a computational error introduced by its software.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

Table C-47. Federal obligations for applied research in engineering, by agency and detailed field of engineering: fiscal year 1995

(Dollars in thousands)

Page 1 of 2

Agency and subdivision	Total	Aero- nautical	Astro- nautical	Chemical	Civil	Elec- trical	Mechan- ical	Metallurgy and materials	Engi- neering, n.e.c.
Total, all agencies	4,272,015	977,616	480,387	184,896	269,298	552,292	248,184	447,269	1,112,073
Departments									
Department of Agriculture, total	54,656	0	0	5,347	5,126	237	2,936	0	41,010
Agricultural Research Service ¹	6,564	0	0	3,485	1,143	170	355	0	1,411
Cooperative State Research, Education, & Extension Service ²	20,371	0	0	0	0	0	0	0	20,371
Forest Service	27,721	0	0	1,862	3,983	67	2,581	0	19,228
Department of Commerce, total	179,671	0	0	11,354	11,637	55,798	5,612	55,597	39,673
National Inst. of Standards & Tech	163,875	0	0	11,354	11,637	47,507	5,612	55,597	32,168
Nat'l Oceanic & Atmospheric Admin	9,413	0	0	0	0	1,908	0	0	7,505
National Telecommunications & Information Administration	6,383	0	0	0	0	6,383	0	0	0
Department of Defense, total	1,545,815	106,512	81,441	37,019	72,384	411,408	175,272	328,218	333,561
Department of the Army	322,964	23,523	1,242	15,074	38,995	118,900	46,721	17,729	60,780
Department of the Navy	281,284	7,011	44,089	7,011	13,034	100,741	59,852	47,665	1,881
Department of the Air Force	322,780	71,526	33,910	6,247	11,652	77,082	57,581	54,586	10,196
Defense Agencies, total	618,787	4,452	2,200	8,687	8,703	114,685	11,118	208,238	260,704
Ballistic Missile Defense Organization	46,225	0	2,000	1,119	0	9,001	148	3,823	30,134
Defense Advanced Research Projects Agency ³	462,077	4,052	0	0	7,087	75,323	511	204,015	171,089
Defense Nuclear Agency	57,480	0	0	2,068	1,616	29,755	10,059	0	13,982
Special Operations Command	37,693	0	0	0	0	0	0	0	37,693
Washington Headquarters Svcs ⁴	15,312	400	200	5,500	0	606	400	400	7,806
Department of Education	5,737	0	0	0	0	0	0	0	5,737
Department of Energy	620,242	0	11,633	98,937	52,478	50,721	21,877	4,083	380,513
Dept of Health & Human Svcs, total	43,406	0	0	0	0	0	0	0	43,406
National Institutes of Health ⁵	43,406	0	0	0	0	0	0	0	43,406
Dept of Housing & Urban Dvlpmnt	750	0	0	0	0	0	0	0	750
Department of the Interior, total	21,475	0	0	12,318	7,864	126	836	135	196
Bureau of Reclamation	5,997	0	0	0	5,967	30	0	0	0
Geological Survey ⁶	11,198	0	0	10,164	781	96	157	0	0
Minerals Management Service	3,817	0	0	2,154	653	0	679	135	196
National Park Service ⁷	463	0	0	0	463	0	0	0	0
Department of Justice, total	400	0	0	0	0	175	225	0	0
Immigration & Naturalization Svc	400	0	0	0	0	175	225	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-47. Federal obligations for applied research in engineering, by agency and detailed field of engineering: fiscal year 1995

[Dollars in thousands]

Page 2 of 2

Agency and subdivision	Total	Aero- nautical	Astro- nautical	Chemical	Civil	Elec- trical	Mechan- ical	Metallurgy and materials	Engi- neering n.e.c.
Department of Transportation, total	175,167	275	0	54	114,776	2,771	20,274	10,255	26,762
Coast Guard	2,444	0	0	0	408	1,104	485	447	0
Federal Aviation Administration	48,539	0	0	0	40,541	0	0	7,998	0
Federal Highway Administration	71,932	0	0	54	68,201	77	1,226	1,060	1,314
Federal Railroad Administration	22,041	0	0	0	3,648	1,323	9,923	750	6,397
Federal Transit Administration	4,678	0	0	0	190	267	240	0	3,981
Maritime Administration	2,163	0	0	0	1,788	0	0	0	375
National Highway Traffic Safety Administration	21,306	0	0	0	0	0	8,400	0	12,906
Office of the Secretary	525	275	0	0	0	0	0	0	250
Research & Special Programs Admin	1,539	0	0	0	0	0	0	0	1,539
Department of the Treasury, total	98	0	0	0	0	0	0	0	98
Bureau of Engraving & Printing	98	0	0	0	0	0	0	0	98
Department of Veterans Affairs	191	0	0	0	0	0	0	0	191
Other agencies:									
Environmental Protection Agency	97,944	0	0	2,159	0	0	0	0	95,785
Federal Communications Commission	1,531	0	0	0	0	1,531	0	0	0
Natl Aeronautics & Space Admin ⁶	1,347,714	870,829	387,313	608	0	17,798	7,956	32,685	30,525
National Science Foundation	86,342	0	0	14,775	5,033	11,438	13,196	16,296	25,604
Nuclear Regulatory Commission	88,212	0	0	0	0	0	0	0	88,212
Tennessee Valley Authority	2,325	0	0	2,325	0	0	0	0	0
US Arms Control & Disarmament Agcy	50	0	0	0	0	0	0	0	50
United States Information Agency	289	0	0	0	0	289	0	0	0

- ¹ The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.
- ² The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research Education, and Extension Service, due to a reorganization within the Department of Agriculture.
- ³ This agency's name changed to the Advanced Research Projects Agency on July 13, 1993, and it was changed back to Defense Advanced Research Projects Agency in February 1996.
- ⁴ Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services' submission as of Vol. 45.
- ⁵ Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.
- ⁶ As of fiscal year 1996, data for the National Biological Service (NBS) are included with the Geological Survey's submission, since NBS's funding comes from the Geological Survey's congressional appropriation.
- ⁷ The National Biological Service's (NBS) name changed from the National Biological Survey on Jan. 5, 1995. As of fiscal year 1994, NBS performs all biological research activities formerly funded by the United States Fish & Wildlife Service and the National Park Service.
- ⁸ The National Aeronautics and Space Administration has made a statistical adjustment to the 1994, 1995, 1996, and 1997 field of science and engineering values to diminish a computational error introduced by its software.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development, Fiscal Years 1995, 1996, and 1997

BEST COPY AVAILABLE

Table C-48. Federal obligations for applied research in mathematics and computer sciences and in social sciences, by agency and detailed field of science: fiscal year 1995

[Dollars in thousands]

Page 1 of 3

Agency and subdivision	Mathematics and computer sciences				Social sciences					
	Total	Mathematics	Computer sciences	Mathematics and computer sciences, n.e.c.	Total	Anthropology	Economics	Political science	Sociology	Social sciences, n.e.c.
Total, all agencies	976,915	94,638	697,585	184,692	472,039	6,611	161,806	15,232	33,533	254,857
Departments										
Department of Agriculture, total	14,376	13,454	922	0	96,395	245	90,526	0	5,624	0
Agricultural Research Service ¹	1,048	126	922	0	0	0	0	0	0	0
Cooperative State Research Education, & Extension Service ²	0	0	0	0	34,430	0	29,766	0	4,664	0
Economic Research Service	0	0	0	0	48,444	0	48,444	0	0	0
Forest Service	10,631	10,631	0	0	11,960	245	10,755	0	960	0
Natl Agricultural Statistics Svc	2,697	2,697	0	0	0	0	0	0	0	0
Rural Business-Cooperative Svc ³	0	0	0	0	1,561	0	1,561	0	0	0
Department of Commerce, total	101,673	12,390	83,341	5,942	18,827	0	5,362	7,690	5,229	546
Bureau of the Census	1,649	1,432	217	0	678	0	372	306	0	0
Economic Development Admin	0	0	0	0	521	0	521	0	0	0
National Inst of Standards & Tech	82,722	3,055	73,725	5,942	183	0	183	0	0	0
Natl Oceanic & Atmospheric Admin	17,302	7,903	9,399	0	17,445	0	4,286	7,384	5,229	546
Department of Defense, total	531,498	44,661	442,984	43,853	488	0	292	0	196	0
Department of the Army	80,418	4,490	42,366	33,562	488	0	292	0	196	0
Department of the Navy	16,233	470	14,916	847	0	0	0	0	0	0
Department of the Air Force	79,296	31,632	41,677	5,987	0	0	0	0	0	0
Defense Agencies, total	355,551	8,069	344,025	3,457	0	0	0	0	0	0
Ballistic Missile Defense Organization	23,501	1,000	22,441	60	0	0	0	0	0	0
Defense Advanced Research Projects Agency ⁴	325,576	7,069	317,916	591	0	0	0	0	0	0
Defense Nuclear Agency	2,838	0	2,838	0	0	0	0	0	0	0
Washington Headquarters Svcs ⁵	3,636	0	830	2,806	0	0	0	0	0	0
Department of Education	1,229	0	1,229	0	110,190	0	0	0	1,854	108,336
Department of Energy	109,596	489	80,396	28,711	500	500	0	0	0	0
Dept of Health & Human Svcs, total	37,963	13,633	24,330	0	109,912	0	14,344	2,502	2,159	90,907
Administration on Aging	0	0	0	0	3,000	0	0	0	0	3,000
Admin for Children & Families	0	0	0	0	11,200	0	0	0	0	11,200
Agcy for Hlth Care Policy & Rsch	10,764	128	10,636	0	22,245	0	14,344	2,502	2,159	3,240
National Institutes of Health ⁶	27,199	13,505	13,694	0	43,914	0	0	0	0	43,914
Office of the Secretary	0	0	0	0	9,121	0	0	0	0	9,121
Social Security Administration ⁷	0	0	0	0	20,432	0	0	0	0	20,432

See explanatory information, if any, and SOURCE at end of table

Table C-48. Federal obligations for applied research in mathematics and computer sciences and in social sciences, by agency and detailed field of science: fiscal year 1995

[Dollars in thousands]

Page 2 of 3

Agency and subdivision	Mathematics and computer sciences				Social sciences					
	Total	Mathematics	Computer sciences	Mathematics and computer sciences, n.e.c.	Total	Anthropology	Economics	Political science	Sociology	Social sciences, n.e.c.
Dept of Housing & Urban Dvlpmnt	31	0	31	0	10,619	0	6,103	331	748	3,437
Department of the Interior, total	18,139	3,049	13,771	1,319	14,327	4,782	76	0	1,852	7,617
Geological Survey ⁸	16,609	3,049	13,560	0	324	0	0	0	0	324
Minerals Management Service	1,319	0	0	1,319	1,899	17	69	0	1,813	0
National Park Service ⁹	211	0	211	0	12,104	4,765	7	0	39	7,293
Department of Justice, total	0	0	0	0	14,105	62	262	400	6,790	6,591
Bureau of Prisons	0	0	0	0	2,717	62	62	0	1,288	1,305
Office of Justice Programs	0	0	0	0	11,388	0	200	400	5,502	5,286
Department of Labor, total	0	0	0	0	16,648	0	16,648	0	0	0
Bureau of Labor Statistics	0	0	0	0	1,500	0	1,500	0	0	0
Employment & Training Admin	0	0	0	0	4,206	0	4,206	0	0	0
Occupational Safety & Hlth Admin	0	0	0	0	4,370	0	4,370	0	0	0
Office of the Secretary	0	0	0	0	2,872	0	2,872	0	0	0
Pension Benefit Guaranty Corp	0	0	0	0	102	0	102	0	0	0
Pension & Welfare Benefits Admin	0	0	0	0	3,598	0	3,598	0	0	0
Department of State	0	0	0	0	500	0	29	336	106	29
Department of Transportation, total	72,401	115	15,652	56,634	14,355	0	4,008	1,158	6,393	2,796
Coast Guard	1,315	0	1,315	0	0	0	0	0	0	0
Federal Highway Administration	59,490	115	3,145	56,230	4,766	0	2,111	779	741	1,135
Federal Railroad Administration	504	0	364	140	0	0	0	0	0	0
Federal Transit Administration	684	0	420	264	5,479	0	1,682	379	1,919	1,499
Maritime Administration	0	0	0	0	162	0	0	0	0	162
National Highway Traffic Safety Administration	9,128	0	9,128	0	3,733	0	0	0	3,733	0
Office of the Secretary	0	0	0	0	15	0	15	0	0	0
Research & Special Programs Admin	1,280	0	1,280	0	200	0	200	0	0	0
Department of the Treasury, total	17,430	0	17,430	0	29,147	0	1,508	0	0	27,639
Internal Revenue Service	17,200	0	17,200	0	28,597	0	958	0	0	27,639
Office of Thrift Supervision	0	0	0	0	550	0	550	0	0	0
United States Customs Service	230	0	230	0	0	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table

Table C-48. Federal obligations for applied research in mathematics and computer sciences and in social sciences, by agency and detailed field of science: fiscal year 1995

[Dollars in thousands]

Page 3 of 3

Agency and subdivision	Mathematics and computer sciences				Social sciences					
	Total	Mathematics	Computer sciences	Mathematics and computer sciences, n.e.c.	Total	Anthropology	Economics	Political science	Sociology	Social sciences, n.e.c.
Other agencies:										
Advisory Commission on Intergovernmental Relations	0	0	0	0	1,413	0	706	707	0	0
Appalachian Regional Commission	0	0	0	0	900	0	0	900	0	0
Federal Communications Commission	128	0	128	0	529	0	529	0	0	0
Federal Trade Commission	0	0	0	0	564	0	564	0	0	0
International Development Cooperation Agency, total	0	0	0	0	7,844	0	5,339	250	455	1,800
Agency for International Development	0	0	0	0	7,844	0	5,339	250	455	1,800
National Aeronautics & Space Administration ¹⁰	55,709	3,784	8,832	43,093	0	0	0	0	0	0
National Science Foundation	16,607	3,063	8,539	5,005	11,954	1,022	2,883	763	2,127	5,159
Tennessee Valley Authority	0	0	0	0	475	0	475	0	0	0
US Arms Control & Disarmament Agency	135	0	0	135	195	0	0	195	0	0
US International Trade Commission	0	0	0	0	12,152	0	12,152	0	0	0

¹ The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.

² The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.

³ This agency's name changed from the Rural Business & Cooperative Development Service to the Rural Business-Cooperative Service on Jan. 30, 1996.

⁴ This agency's name changed to the Advanced Research Projects Agency on July 13, 1993, and it was changed back to Defense Advanced Research Projects Agency in February 1996.

⁵ Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services' submission as of Vol. 45.

⁶ Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.

⁷ As of Mar. 31, 1995, the Social Security Administration became an independent agency; it is no longer part of the Department of Health & Human Services.

⁸ As of fiscal year 1996, data for the National Biological Service (NBS) are included with the Geological Survey's submission, since NBS's funding comes from the Geological Survey's congressional appropriation.

⁹ The National Biological Service's (NBS) name changed from the National Biological Survey on Jan. 5, 1995. As of fiscal year 1994, NBS performs all biological research activities formerly funded by the United States Fish & Wildlife Service and the National Park Service.

¹⁰ The National Aeronautics and Space Administration has made a statistical adjustment to the 1994, 1995, 1996, and 1997 field of science and engineering values to diminish a computational error introduced by its software.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

**Table C-49. Federal obligations for development, by agency and performer:
fiscal year 1995**

[Dollars in thousands]

Page 1 of 3

Agency and subdivision	Total	Intra- mural ¹	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by indus- trial firms	Univer- sities and colleges	FFRDCs admin by univs and colleges	Other non- profit insti- tutions	FFRDCs admin by non- profit insti- tutions	State and local govts	
Total, all agencies	40,181,441	9,554,898	25,740,726	385,905	1,561,446	1,338,703	750,386	621,263	95,095	133,019
Departments:										
Department of Agriculture, total	80,201	75,863	0	0	3,691	0	311	0	23	313
Agricultural Marketing Service	617	617	0	0	0	0	0	0	0	0
Agricultural Research Service ²	54,662	51,911	0	0	2,104	0	311	0	23	313
Animal & Plant Hlth Inspection Svc	19,117	17,530	0	0	1,587	0	0	0	0	0
Forest Service	5,805	5,805	0	0	0	0	0	0	0	0
Department of Commerce, total	243,685	71,856	167,201	0	2,838	0	1,240	0	0	550
Bureau of the Census	1,926	1,926	0	0	0	0	0	0	0	0
National Inst of Standards & Tech	191,190	22,081	167,032	0	327	0	1,200	0	0	550
Nat'l Oceanic & Atmospheric Admin	50,569	47,849	169	0	2,511	0	40	0	0	0
Department of Defense, total ³	30,028,100	7,343,310	21,042,366	74,263	529,603	191,076	303,228	452,260	1,293	90,701
Department of the Army	4,567,195	1,866,769	2,476,107	23,476	142,315	23,561	3,745	22,401	0	8,821
Department of the Navy	8,083,306	2,974,690	4,725,519	1,088	197,921	23,059	82,494	68,759	0	9,776
Department of the Air Force	10,963,449	723,479	9,904,415	14,082	22,979	37,506	2,371	257,770	448	399
Defense Agencies, total	6,161,460	1,575,853	3,904,552	35,617	166,388	106,800	214,218	85,482	845	71,705
Ballistic Missile Defense Organization	2,290,399	425,665	1,679,667	20,041	62,445	54,789	1,158	16,935	0	29,699
Defense Advanced Research Projects Agency ⁴	1,582,389	326,132	931,925	721	67,723	23,413	211,503	17,180	845	2,947
Defense Information Systems Agency	77,273	16,754	46,479	0	833	828	0	12,379	0	0
Defense Logistics Agency	26,488	9,750	12,657	0	4,081	0	0	0	0	0
Defense Mapping Agency	78,299	4,672	71,177	0	1,132	500	0	818	0	0
Defense Nuclear Agency	34,874	8,744	22,128	1,422	0	1,421	500	460	0	199
Joint Staff	4,154	3,656	498	0	0	0	0	0	0	0
Special Operations Command	224,699	50,958	134,473	3,767	0	0	0	0	0	35,501
Washington Headquarters Svcs ⁵	1,842,885	729,522	1,005,548	9,666	30,174	25,849	1,057	37,710	0	3,359
Operational Test & Evaluation, Director	21,707	7,937	0	0	0	150	400	13,220	0	0
Test & Evaluation, Deputy Under Secretary of Defense	230,983	194,582	31,773	0	0	0	0	4,628	0	0
Department of Defense, total advanced technology (at) ³	4,578,194	1,504,690	2,379,850	38,525	192,010	108,060	257,669	61,916	845	34,629
Department of the Army (at)	640,728	369,952	204,006	20,853	20,281	17,849	1,549	2,279	0	3,959
Department of the Navy (at)	413,927	176,220	149,647	0	38,412	8,013	39,661	1,323	0	651
Department of the Air Force (at)	565,686	158,681	361,092	880	16,953	14,229	2,249	11,268	0	334
Defense Agencies, total (at)	2,957,853	799,837	1,665,105	16,792	116,364	67,969	214,210	47,046	845	29,685
Ballistic Missile Defense Organization (at)	426,398	72,141	295,428	3,802	17,287	18,286	1,150	16,425	0	1,879
Defense Advanced Research Projects Agency (at) ⁴	1,547,656	291,399	931,925	721	67,723	23,413	211,503	17,180	845	2,947
Defense Logistics Agency (at)	19,097	6,765	8,251	0	4,081	0	0	0	0	0
Defense Nuclear Agency (at)	34,874	8,744	22,128	1,422	0	1,421	500	460	0	199
Joint Staff (at)	4,154	3,656	498	0	0	0	0	0	0	0
Special Operations Command (at)	93,197	19,365	51,100	1,431	0	0	0	0	0	21,301
Washington Headquarters Services (at) ⁵	832,477	397,767	355,775	9,416	27,273	24,849	1,057	12,981	0	3,359

See explanatory information, if any, and SOURCE at end of table

**Table C-49. Federal obligations for development, by agency and performer:
fiscal year 1995**

[Dollars in thousands]

Page 2 of 3

Agency and subdivision	Total	Intra- mural ¹	Extramural								Foreign
			United States and territories								
			Industrial firms	FFRDCs admin by indus- trial firms	Univer- sities and colleges	FFRDCs admin by univs and colleges	Other non- profit insti- tutions	FFRDCs admin by non- profit insti- tutions	State and local govts		
Department of Defense, total major systems (ms) ³	25 449 906	5 838 620	18 662 516	35 738	337 593	83 016	45 559	390 344	448	56 072	
Department of the Army (ms)	3 926 467	1 496 817	2 272 101	2 623	122 034	5 712	2 196	20 122	0	4 862	
Department of the Navy (ms)	7 669 379	2 798 470	4 575 872	1 088	159 509	15 046	42 833	67 436	0	9 125	
Department of the Air Force (ms)	10 397 763	564 798	9 543 323	13 202	6 026	23 277	122	246 502	448	65	
Defense Agencies, total (ms)	3 203 607	776 016	2 239 447	18 825	50 024	38 831	8	38 436	0	42 020	
Ballistic Missile Defense Organization (ms)	1 864 001	353 524	1 384 239	16 239	45 158	36 503	8	510	0	27 820	
Defense Advanced Research Projects Agency (ms) ⁴	34 733	34 733	0	0	0	0	0	0	0	0	
Defense Information Systems Agency (ms)	77 273	16 754	46 479	0	833	828	0	12 379	0	0	
Defense Logistics Agency (ms)	7 391	2 985	4 406	0	0	0	0	0	0	0	
Defense Mapping Agency (ms)	78 299	4 672	71 177	0	1 132	500	0	818	0	0	
Special Operations Command (ms)	131 502	31 593	83 373	2 336	0	0	0	0	0	14 200	
Washington Headquarters Services (ms) ⁵	1 010 408	331 755	649 773	250	2 901	1 000	0	24 729	0	0	
Operational Test & Evaluation, Director (ms)	21 707	7 937	0	0	0	150	400	13 220	0	0	
Test & Evaluation, Deputy Under Secretary of Defense (ms)	230 983	194 582	31 773	0	0	0	0	4 628	0	0	
Department of Education	39 268	2 020	3 808	0	16 334	0	16 030	0	1 076	0	
Department of Energy	2 685 041	259 975	1 401 359	290 267	36 256	515 069	17 584	156 349	7 634	548	
Dept of Health & Human Svcs, total	1 379 297	239 993	84 514	20 156	794 732	1 747	217 052	1 410	14 547	5 146	
Administration on Aging	17 679	683	2 016	0	3 206	0	8 751	0	3 023	0	
Admin for Children & Families	800	16	0	0	704	0	77	0	3	0	
Agcy for Hlth Care Policy & Rsch	11 287	11 287	0	0	0	0	0	0	0	0	
Health Resources & Services Admin	966	350	0	0	616	0	0	0	0	0	
National Institutes of Health ⁶	1 348 242	227 628	82 498	20 156	790 206	1 747	207 930	1 410	11 521	5 146	
Office of the Assistant Secretary for Health	323	29	0	0	0	0	294	0	0	0	
Dept of Housing & Urban Dvlpmt	27 651	18 281	5 198	0	319	0	3 853	0	0	0	
Department of the Interior, total	29 177	18 178	9 681	0	697	0	0	0	621	0	
Bureau of Reclamation	1 993	1 993	0	0	0	0	0	0	0	0	
Geological Survey ⁷	14 140	4 247	9 643	0	250	0	0	0	0	0	
National Biological Service ⁸	13 000	11 932	0	0	447	0	0	0	621	0	
Office of the Secretary	44	6	38	0	0	0	0	0	0	0	
Department of Justice, total	32 110	14 454	469	0	1 756	0	6 438	0	8 993	0	
Bureau of Prisons	2 475	532	0	0	0	0	0	0	1 943	0	
Drug Enforcement Administration	400	50	350	0	0	0	0	0	0	0	
Federal Bureau of Investigation	10 937	10 937	0	0	0	0	0	0	0	0	
Office of Justice Programs	18 298	2 935	119	0	1 756	0	6 438	0	7 050	0	
Department of Labor, total	25 500	2 633	3 992	0	149	0	1 777	0	16 949	0	
Employment & Training Admin	21 388	1 600	2 063	0	0	0	1 026	0	16 699	0	
Office of the Secretary	3 415	852	1 413	0	149	0	751	0	250	0	
Pension Benefit Guaranty Corp	697	181	516	0	0	0	0	0	0	0	
Department of Transportation, total	356 240	101 681	172 916	1 219	17 436	8 811	3 590	9 324	41 189	74	
Coast Guard	14 789	10 640	4 149	0	0	0	0	0	0	0	
Federal Aviation Administration	205 075	79 988	91 439	1 219	14 220	8 811	0	9 324	0	74	
Federal Highway Administration	109 387	1 244	74 488	0	316	0	190	0	33 149	0	
Federal Railroad Administration	4 000	2 900	1 000	0	100	0	0	0	0	0	
Federal Transit Administration	17 858	3 230	388	0	2 800	0	3 400	0	8 040	0	
Office of the Secretary	3 311	2 811	500	0	0	0	0	0	0	0	
Research & Special Programs Admin	1 820	868	952	0	0	0	0	0	0	0	

See explanatory information, if any, and SOURCE at end of table.

**Table C-49. Federal obligations for development, by agency and performer:
fiscal year 1995**

[Dollars in thousands]

Page 3 of 3

Agency and subdivision	Total	Intra- mural ¹	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by indus- trial firms	Univer- sities and colleges	FFRDCs admin by univs and colleges	Other non- profit insti- tutions	FFRDCs admin by non- profit insti- tutions	State and local govts	
Department of the Treasury, total	12,434	5,919	6,515	0	0	0	0	0	0	0
Bureau of Engraving & Printing	476	476	0	0	0	0	0	0	0	0
Internal Revenue Service	3,901	3,901	0	0	0	0	0	0	0	0
United States Customs Service	7,745	1,500	6,245	0	0	0	0	0	0	0
United States Mint	312	42	270	0	0	0	0	0	0	0
Department of Veterans Affairs	19,054	17,554	0	0	1,500	0	0	0	0	0
Other agencies:										
Consumer Product Safety Commission	370	367	3	0	0	0	0	0	0	0
Environmental Protection Agency	149,894	61,053	40,793	0	34,169	0	11,196	0	1,733	950
International Dvlpmt Cooperation										
Agency, total	29,819	4,802	1,073	0	1,491	0	19,561	0	0	2,892
Agency for Internat'l Dvlpmt	29,819	4,802	1,073	0	1,491	0	19,561	0	0	2,892
Library of Congress	8,045	8,045	0	0	0	0	0	0	0	0
National Aeronautics & Space Admin	4,968,855	1,242,214	2,800,838	0	120,475	622,000	148,526	1,920	1,037	31,845
Tennessee Valley Authority	66,700	66,700	0	0	0	0	0	0	0	0

¹ Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

² The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.

³ Not all Department of Defense (DoD) agencies with development obligations are able to categorize these obligations according to the advanced technology and major systems development breakdown. Therefore, total DoD development does not equal the sum of total DoD advanced technology development and total DoD major systems development.

⁴ This agency's name changed to the Advanced Research Projects Agency on July 13, 1993, and it was changed back to Defense Advanced Research Projects Agency in February 1996.

⁵ Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services' submission as of Vol. 45.

⁶ Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.

⁷ As of fiscal year 1996, data for the National Biological Service (NBS) are included with the Geological Survey's submission, since NBS's funding comes from the Geological Survey's congressional appropriation.

⁸ The National Biological Service's (NBS) name changed from the National Biological Survey on Jan. 5, 1995. As of fiscal year 1994, NBS performs all biological research activities formerly funded by the United States Fish & Wildlife Service and the National Park Service.

NOTES: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

Beginning with Vol. 44, Department of Defense development obligations are reported in two categories: advanced technology and major systems.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

Table C-50. Preliminary Federal obligations for development, by agency and performer:
fiscal year 1996

[Dollars in thousands]

Page 1 of 3

Agency and subdivision	Total	Intra- mural ¹	Extramural								Foreign
			United States and territories								
			Industrial firms	FFRDCs admin by in- dus- trial firms	Univer- sities and colleges	FFRDCs admin by univs and colleges	Other nonprofit insti- tutions	FFRDCs admin by non- profit insti- tutions	State and local govts		
Total, all agencies	40,499,162	9,492,771	26,594,812	353,568	1,331,339	1,216,451	765,631	537,541	74,879	132,170	
Departments											
Department of Agriculture, total	80,167	75,667	0	0	3,714	0	514	0	23	249	
Agricultural Marketing Service	627	627	0	0	0	0	0	0	0	0	
Agricultural Research Service ²	54,469	51,469	0	0	2,214	0	514	0	23	249	
Animal & Plant Hlth Inspection Svc	19,731	18,231	0	0	1,500	0	0	0	0	0	
Forest Service	5,340	5,340	0	0	0	0	0	0	0	0	
Department of Commerce, total	274,594	72,625	197,364	0	2,497	0	1,443	0	0	665	
Bureau of the Census	4,203	4,203	0	0	0	0	0	0	0	0	
National Inst of Standards & Tech	222,694	23,118	197,079	0	389	0	1,443	0	0	665	
Natl Oceanic & Atmospheric Admin	47,697	45,304	285	0	2,108	0	0	0	0	0	
Department of Defense, total ³	30,335,855	7,253,185	21,699,266	64,602	353,192	165,315	285,911	430,720	0	83,664	
Department of the Army	4,184,285	1,854,466	2,239,628	9,035	20,165	31,720	3,539	21,255	0	4,477	
Department of the Navy	7,862,513	2,791,393	4,692,702	3,045	198,281	16,034	83,524	66,562	0	10,972	
Department of the Air Force	11,214,295	610,302	10,320,777	14,518	25,963	4,550	2,770	234,839	0	576	
Defense Agencies, total	6,823,938	1,789,644	4,422,652	38,004	108,783	112,811	196,078	88,427	0	67,639	
Ballistic Missile Defense Organization	2,828,285	525,582	2,133,187	18,297	42,273	49,969	98	18,125	0	40,754	
Defense Advanced Research Projects Agency ⁴	1,477,359	297,017	884,272	1,431	51,865	33,765	190,573	18,436	0	0	
Defense Information Systems Agency	54,821	14,256	31,350	0	0	289	3,770	5,156	0	0	
Defense Logistics Agency	26,929	16,650	8,477	0	1,802	0	0	0	0	0	
Defense Mapping Agency	58,888	3,569	52,687	0	1,039	250	0	1,343	0	0	
Defense Nuclear Agency	26,406	7,589	15,334	597	0	1,536	946	404	0	0	
Joint Staff	12,532	5,263	7,269	0	0	0	0	0	0	0	
Special Operations Command	135,123	30,644	80,863	2,265	0	0	0	0	0	21,351	
Washington Headquarters Svcs ⁵	2,203,595	888,974	1,209,213	15,414	11,804	27,002	691	44,963	0	5,534	
Operational Test & Evaluation, Director	22,981	8,721	700	0	0	200	0	13,360	0	0	
Test & Evaluation, Deputy Under Secretary of Defense	227,843	198,759	22,807	0	0	0	0	6,277	0	0	
Department of Defense, total advanced technology (at) ³	4,828,725	1,510,673	2,695,604	20,373	150,956	100,182	242,743	76,206	0	31,988	
Department of the Army (at)	763,597	323,063	400,001	1,757	12,690	16,661	964	6,356	0	2,105	
Department of the Navy (at)	484,012	215,306	165,448	0	49,099	3,311	46,954	3,894	0	0	
Department of the Air Force (at)	501,102	125,895	340,006	622	17,892	3,969	2,615	9,810	0	293	
Defense Agencies, total (at)	3,080,014	846,409	1,790,149	17,994	71,275	76,241	192,210	56,146	0	29,590	
Ballistic Missile Defense Organization (at)	684,733	106,594	520,366	0	8,091	16,960	0	17,635	0	15,087	
Defense Advanced Research Projects Agency (at) ⁴	1,408,189	260,919	851,200	1,431	51,865	33,765	190,573	18,436	0	0	
Defense Logistics Agency (at)	18,198	13,967	2,429	0	1,802	0	0	0	0	0	
Defense Nuclear Agency (at)	26,406	7,589	15,334	597	0	1,536	946	404	0	0	
Joint Staff (at)	12,532	5,263	7,269	0	0	0	0	0	0	0	
Special Operations Command (at)	56,752	12,870	33,961	952	0	0	0	0	0	8,969	
Washington Headquarters Services (at) ⁵	873,204	439,207	359,590	15,014	9,517	23,980	691	19,671	0	5,534	

See explanatory information, if any, and SOURCE at end of table

Table C-50. Preliminary Federal obligations for development, by agency and performer:
fiscal year 1996

[Dollars in thousands]

Page 2 of 3

Agency and subdivision	Total	Intra- mural ¹	Extramural								Foreign
			United States and territories								
			Industrial firms	FFRDCs admin by in- dus- trial firms	Univer- sities and colleges	FFRDCs admin by univs and colleges	Other nonprofit insti- tutions	FFRDCs admin by non- profit insti- tutions	State and local govts		
Department of Defense, total major systems (ms) ³	25,507,130	5,742,512	19,003,662	44,229	202,236	65,133	43,168	354,514	0	51,676	
Department of the Army (ms)	3,420,688	1,531,403	1,839,627	7,278	7,475	15,059	2,575	14,899	0	2,372	
Department of the Navy (ms)	7,378,501	2,576,087	4,527,254	3,045	149,182	12,723	36,570	62,668	0	10,972	
Department of the Air Force (ms)	10,713,193	484,407	9,980,771	13,896	8,071	581	155	225,029	0	283	
Defense Agencies, total (ms)	3,743,924	943,135	2,632,503	20,010	37,508	36,570	3,868	32,281	0	38,049	
Ballistic Missile Defense Organization (ms)	2,143,552	418,988	1,612,821	18,297	34,182	33,009	98	490	0	25,667	
Defense Advanced Research Projects Agency (ms) ⁴	69,170	36,098	33,072	0	0	0	0	0	0	0	
Defense Information Systems Agency (ms)	54,821	14,256	31,350	0	0	289	3,770	5,156	0	0	
Defense Logistics Agency (ms)	8,731	2,683	6,048	0	0	0	0	0	0	0	
Defense Mapping Agency (ms)	58,888	3,569	52,687	0	1,039	250	0	1,343	0	0	
Special Operations Command (ms)	78,371	17,774	46,902	1,313	0	0	0	0	0	12,382	
Washington Headquarters Services (ms) ⁵	1,330,391	449,767	849,623	400	2,287	3,022	0	25,292	0	0	
Operational Test & Evaluation, Director (ms)	22,981	8,721	700	0	0	200	0	13,360	0	0	
Test & Evaluation, Deputy Under Secretary of Defense (ms)	227,843	198,759	22,807	0	0	0	0	6,277	0	0	
Department of Education	40,108	2,237	3,601	0	13,955	0	19,456	0	859	0	
Department of Energy	2,376,367	221,809	1,225,203	253,200	30,556	530,376	12,663	96,726	5,428	406	
Dept of Health & Human Svcs, total	1,389,591	240,170	90,880	34,633	746,923	1,264	253,854	1,706	13,904	6,257	
Administration on Aging	3,533	683	0	0	0	0	2,850	0	0	0	
Admin for Children & Families	700	14	0	0	616	0	70	0	0	0	
Agcy for Hlth Care Policy & Rsch	6,186	6,186	0	0	0	0	0	0	0	0	
Health Resources & Services Admin	1,250	350	0	0	900	0	0	0	0	0	
National Institutes of Health ⁶	1,377,398	232,889	90,880	34,633	745,407	1,264	250,458	1,706	13,904	6,257	
Office of the Assistant Secretary for Health	524	48	0	0	0	0	476	0	0	0	
Dept of Housing & Urban Dvlpmnt	22,793	10,474	9,430	0	869	0	2,020	0	0	0	
Department of the Interior, total	25,502	14,601	9,551	0	1,350	0	0	0	0	0	
Bureau of Reclamation	1,508	1,508	0	0	0	0	0	0	0	0	
Geological Survey ⁷	23,975	13,087	9,538	0	1,350	0	0	0	0	0	
Office of the Secretary	19	6	13	0	0	0	0	0	0	0	
Department of Justice, total	53,664	38,884	700	355	700	0	10,275	0	2,750	0	
Bureau of Prisons	2,800	500	0	0	0	0	0	0	2,300	0	
Drug Enforcement Administration	1,155	100	700	355	0	0	0	0	0	0	
Federal Bureau of Investigation	36,784	36,784	0	0	0	0	0	0	0	0	
Office of Justice Programs	12,925	1,500	0	0	700	0	10,275	0	450	0	
Department of Labor, total	21,858	1,332	4,947	0	90	0	4,817	0	10,672	0	
Employment & Training Admin	17,787	700	3,557	0	0	0	2,858	0	10,672	0	
Office of the Secretary	3,489	447	993	0	90	0	1,959	0	0	0	
Pension Benefit Guaranty Corp	582	185	397	0	0	0	0	0	0	0	
Department of Transportation, total	307,378	77,462	144,037	778	31,227	6,484	1,747	6,484	39,059	100	
Coast Guard	15,027	10,843	4,184	0	0	0	0	0	0	0	
Federal Aviation Administration	157,263	55,989	61,654	778	25,774	6,484	0	6,484	0	100	
Federal Highway Administration	106,683	1,224	74,171	0	344	0	208	0	30,736	0	
Federal Railroad Administration	10,375	3,362	722	0	218	0	0	0	6,073	0	
Federal Transit Administration	10,494	1,519	295	0	4,891	0	1,539	0	2,250	0	
Office of the Secretary	2,897	2,897	0	0	0	0	0	0	0	0	
Research & Special Programs Admin	4,639	1,628	3,011	0	0	0	0	0	0	0	

See explanatory information, if any, and SOURCE at end of table.

**Table C-50. Preliminary Federal obligations for development, by agency and performer:
fiscal year 1996**

[Dollars in thousands]

Page 3 of 3

Agency and subdivision	Total	Intra- mural ¹	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by in- dus- trial firms	Univer- sities and colleges	FFRDCs admin by univs and colleges	Other nonprofit insti- tutions	FFRDCs admin by non- profit insti- tutions	State and local govts	
Department of the Treasury, total	13,371	6,178	7,193	0	0	0	0	0	0	0
Bureau of Engraving & Printing	889	889	0	0	0	0	0	0	0	0
Internal Revenue Service	3,446	3,446	0	0	0	0	0	0	0	0
United States Customs Service	8,811	1,800	7,011	0	0	0	0	0	0	0
United States Mint	225	43	182	0	0	0	0	0	0	0
Department of Veterans Affairs	22,384	21,384	0	0	1,000	0	0	0	0	0
Other agencies:										
Consumer Product Safety Commission	30	30	0	0	0	0	0	0	0	0
Environmental Protection Agency	104,941	42,743	28,559	0	23,922	0	7,838	0	1,213	666
International Dvlpmt Cooperation										
Agency total	19,751	2,252	277	0	869	0	8,137	0	0	8,216
Agency for Internat'l Dvlpmt	19,751	2,252	277	0	869	0	8,137	0	0	8,216
Library of Congress	6,493	6,493	0	0	0	0	0	0	0	0
National Aeronautics & Space Admin	5,332,093	1,333,023	3,173,804	0	120,475	513,012	156,956	1,905	971	31,947
Tennessee Valley Authority	72,222	72,222	0	0	0	0	0	0	0	0

¹ Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

² The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.

³ Not all Department of Defense (DoD) agencies with development obligations are able to categorize these obligations according to the advanced technology and major systems development breakdown. Therefore, total DoD development does not equal the sum of total DoD advanced technology development and total DoD major systems development.

⁴ This agency's name changed to the Advanced Research Projects Agency on July 13, 1993, and it was changed back to Defense Advanced Research Projects Agency in February 1996.

⁵ Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services' submission as of Vol. 45.

⁶ Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.

⁷ As of fiscal year 1996, data for the National Biological Service (NBS) are included with the Geological Survey's submission, since NBS's funding comes from the Geological Survey's congressional appropriation.

NOTES: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

Beginning with Vol. 44, Department of Defense development obligations are reported in two categories: advanced technology and major systems.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

**Table C-51. Preliminary Federal obligations for development, by agency and performer:
fiscal year 1997**

[Dollars in thousands]

Page 1 of 3

Agency and subdivision	Total	Intra- mural ¹	Extramural								Foreign
			United States and territories								
			Industrial firms	FFRDCs admin by indus- trial firms	Univer- sities and colleges	FFRDCs admin by univs and colleges	Other non- profit insti- tutions	FFRDCs admin by non- profit insti- tutions	State and local govts		
Total, all agencies	38,890,206	8,707,574	25,912,874	333,998	1,538,943	1,099,456	683,674	452,533	74,615	86,539	
Departments.											
Department of Agriculture, total	82,321	78,117	0	0	3,714	0	218	0	23	249	
Agricultural Marketing Service	634	634	0	0	0	0	0	0	0	0	
Agricultural Research Service ²	55,729	53,025	0	0	2,214	0	218	0	23	249	
Animal & Plant Hlth Inspection Svc	20,565	19,065	0	0	1,500	0	0	0	0	0	
Forest Service	5,393	5,393	0	0	0	0	0	0	0	0	
Department of Commerce, total	227,284	73,320	149,708	0	2,638	0	1,115	0	0	503	
Bureau of the Census	4,203	4,203	0	0	0	0	0	0	0	0	
National Inst of Standards & Tech	175,433	24,112	149,359	0	344	0	1,115	0	0	503	
Natl Oceanic & Atmospheric Admin	47,648	45,005	349	0	2,294	0	0	0	0	0	
Department of Defense, total ³	29,102,817	6,552,774	21,280,074	145,627	319,661	134,225	273,612	348,878	0	47,966	
Department of the Army	3,701,237	1,862,822	1,771,496	2,550	29,921	14,065	3,526	14,814	0	2,043	
Department of the Navy	6,727,846	2,493,296	3,889,227	3,342	175,604	15,928	80,437	64,685	0	5,327	
Department of the Air Force	12,487,207	587,852	11,658,515	72,284	17,167	3,721	2,316	144,999	0	353	
Defense Agencies, total	5,913,470	1,381,132	3,936,250	67,451	96,969	100,511	187,333	103,581	0	40,243	
Ballistic Missile Defense Organization	2,471,397	440,721	1,910,540	11,816	32,736	41,707	0	18,140	0	15,737	
Defense Advanced Research Projects Agency ⁴	1,389,016	261,740	843,149	2,380	50,178	28,760	185,572	17,237	0	0	
Defense Information Systems Agency	64,756	15,742	43,100	0	0	0	942	4,972	0	0	
Defense Logistics Agency	30,804	20,892	5,081	0	4,831	0	0	0	0	0	
Defense Mapping Agency	95,168	9,592	83,926	0	900	0	0	750	0	0	
Defense Nuclear Agency	27,465	6,455	17,960	1,669	0	804	477	100	0	0	
Joint Staff	38,776	35,286	3,490	0	0	0	0	0	0	0	
Special Operations Command	110,565	25,074	66,165	1,853	0	0	0	0	0	17,473	
Washington Headquarters Svcs ⁵	1,685,523	565,630	962,839	49,733	6,324	29,240	342	62,382	0	7,033	
Operational Test & Evaluation, Director	22,011	7,687	700	0	0	0	0	13,624	0	0	
Test & Evaluation, Deputy Under Secretary of Defense	251,046	219,985	23,886	0	0	0	0	7,175	0	0	
Department of Defense, total advanced technology (at) ³	4,101,191	1,159,366	2,361,385	22,471	147,274	75,093	238,740	64,929	0	31,933	
Department of the Army (at)	470,068	242,190	200,930	1,300	16,293	3,575	902	2,885	0	1,993	
Department of the Navy (at)	449,135	169,611	173,882	0	49,880	2,648	49,149	3,965	0	0	
Department of the Air Force (at)	486,948	132,857	322,924	680	15,896	3,650	2,298	8,364	0	279	
Defense Agencies, total (at)	2,695,040	614,708	1,663,649	20,491	65,205	65,220	186,391	49,715	0	29,661	
Ballistic Missile Defense Organization (at)	559,851	76,371	432,995	0	4,572	12,482	0	18,140	0	15,291	
Defense Advanced Research Projects Agency (at) ⁴	1,305,279	221,117	800,035	2,380	50,178	28,760	185,572	17,237	0	0	
Defense Logistics Agency (at)	24,993	18,162	2,000	0	4,831	0	0	0	0	0	
Defense Nuclear Agency (at)	27,465	6,455	17,960	1,669	0	804	477	100	0	0	
Joint Staff (at)	38,776	35,286	3,490	0	0	0	0	0	0	0	
Special Operations Command (at)	46,437	10,531	27,790	779	0	0	0	0	0	7,337	
Washington Headquarters Services (at) ⁵	692,239	246,786	379,379	15,663	5,624	23,174	342	14,238	0	7,033	

See explanatory information, if any, and SOURCE at end of table.

**Table C-51. Preliminary Federal obligations for development, by agency and performer:
fiscal year 1997**

[Dollars in thousands]

Page 2 of 3

Agency and subdivision	Total	Intra- mural ¹	Extramural							Foreign
			United States and territories							
			Industrial firms	FFRDCs admin by indus- trial firms	Univer- sities and colleges	FFRDCs admin by univs and colleges	Other non- profit insti- tutions	FFRDCs admin by non- profit insti- tutions	State and local govts	
Department of Defense, total major systems (ms) ³	25,001,626	5,393,408	18,918,689	123,156	172,387	59,132	34,872	283,949	0	16,033
Department of the Army (ms)	3,231,169	1,620,632	1,570,566	1,250	13,628	10,490	2,624	11,929	0	50
Department of the Navy (ms)	6,278,711	2,323,685	3,715,345	3,342	125,724	13,280	31,288	60,720	0	5,327
Department of the Air Force (ms)	12,000,259	454,995	11,335,591	71,604	1,271	71	18	136,635	0	74
Defense Agencies, total (ms)	3,218,430	766,424	2,272,601	46,960	31,764	35,291	942	53,866	0	10,582
Ballistic Missile Defense Organization (ms)	1,911,546	364,350	1,477,545	11,816	28,164	29,225	0	0	0	446
Defense Advanced Research Projects Agency (ms) ⁴	83,737	40,623	43,114	0	0	0	0	0	0	0
Defense Information Systems Agency (ms)	64,756	15,742	43,100	0	0	0	942	4,972	0	0
Defense Logistics Agency (ms)	5,811	2,730	3,081	0	0	0	0	0	0	0
Defense Mapping Agency (ms)	95,168	9,592	83,926	0	900	0	0	750	0	0
Special Operations Command (ms)	64,128	14,543	38,375	1,074	0	0	0	0	0	10,136
Washington Headquarters Services (ms) ⁵	993,284	318,844	583,460	34,070	2,700	6,066	0	48,144	0	0
Operational Test & Evaluation, Director (ms)	22,011	7,687	700	0	0	0	0	13,624	0	0
Test & Evaluation, Deputy Under Secretary of Defense (ms)	251,046	219,985	23,886	0	0	0	0	7,175	0	0
Department of Education	45,421	2,353	6,324	0	14,501	0	21,252	0	991	0
Department of Energy	2,320,066	255,352	1,239,870	162,517	41,131	500,877	19,465	94,164	6,306	384
Dept of Health & Human Svcs, total	1,416,744	173,421	64,779	24,686	955,349	901	182,022	1,216	9,910	4,460
Administration on Aging	3,191	341	0	0	0	0	2,850	0	0	0
Admin for Children & Families	1,478	29	0	0	1,301	0	148	0	0	0
Agcy for Hlth Care Policy & Rsch	7,000	7,000	0	0	0	0	0	0	0	0
National Institutes of Health ⁶	1,404,525	166,001	64,779	24,686	954,048	901	178,524	1,216	9,910	4,460
Office of the Assistant Secretary for Health	550	50	0	0	0	0	500	0	0	0
Dept of Housing & Urban Dvlpmnt	28,774	14,203	10,404	0	617	0	3,550	0	0	0
Department of the Interior, total	27,352	16,033	9,849	0	1,470	0	0	0	0	0
Bureau of Reclamation	1,911	1,911	0	0	0	0	0	0	0	0
Geological Survey ⁷	25,441	14,122	9,849	0	1,470	0	0	0	0	0
Department of Justice, total	58,454	37,879	0	400	1,700	0	7,800	0	10,675	0
Bureau of Prisons	2,800	500	0	0	0	0	0	0	2,300	0
Drug Enforcement Administration	450	50	0	400	0	0	0	0	0	0
Federal Bureau of Investigation	34,829	34,829	0	0	0	0	0	0	0	0
Office of Justice Programs	20,375	2,500	0	0	1,700	0	7,800	0	8,375	0
Department of Labor, total	19,167	3,818	3,863	0	0	0	2,521	0	8,965	0
Employment & Training Admin	14,942	778	2,988	0	0	0	2,211	0	8,965	0
Office of the Secretary	3,624	2,851	463	0	0	0	310	0	0	0
Pension Benefit Guaranty Corp	601	189	412	0	0	0	0	0	0	0
Department of Transportation, total	311,362	91,374	133,754	768	37,111	6,406	606	6,400	34,893	50
Coast Guard	14,831	10,670	4,161	0	0	0	0	0	0	0
Federal Aviation Administration	156,130	59,411	52,825	768	30,270	6,406	0	6,400	0	50
Federal Highway Administration	126,729	16,033	75,656	0	341	0	206	0	34,493	0
Federal Railroad Administration	650	650	0	0	0	0	0	0	0	0
Federal Transit Administration	8,828	1,528	0	0	6,500	0	400	0	400	0
Office of the Secretary	2,808	2,808	0	0	0	0	0	0	0	0
Research & Special Programs Admin	1,386	274	1,112	0	0	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

**Table C-51. Preliminary Federal obligations for development, by agency and performer:
fiscal year 1997**

[Dollars in thousands]

Page 3 of 3

Agency and subdivision	Total	Intra- mural ¹	Extramural								Foreign
			United States and territories								
			Industrial firms	FFRDCs admin by indus- trial firms	Univer- sities and colleges	FFRDCs admin by univs and colleges	Other non- profit insti- tutions	FFRDCs admin by non- profit insti- tutions	State and local govts		
Department of the Treasury, total	10,454	6,215	4,239	0	0	0	0	0	0	0	
Bureau of Engraving & Printing	828	828	0	0	0	0	0	0	0	0	
Internal Revenue Service	3,498	3,498	0	0	0	0	0	0	0	0	
United States Customs Service	5,703	1,800	3,903	0	0	0	0	0	0	0	
United States Mint	425	89	336	0	0	0	0	0	0	0	
Department of Veterans Affairs	21,826	20,676	0	0	1,150	0	0	0	0	0	
Other agencies:											
Environmental Protection Agency	170,418	69,412	46,379	0	38,848	0	12,729	0	1,970	1,080	
International Dvlpmnt Cooperation											
Agency, total	14,087	1,676	169	0	578	0	11,537	0	0	127	
Agency for Internat'l Dvlpmnt	14,087	1,676	169	0	578	0	11,537	0	0	127	
Library of Congress	7,230	7,230	0	0	0	0	0	0	0	0	
National Aeronautics & Space Admin	4,963,611	1,240,903	2,963,462	0	120,475	457,047	147,247	1,875	882	31,720	
Tennessee Valley Authority	62,818	62,818	0	0	0	0	0	0	0	0	

¹ Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

² The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.

³ Not all Department of Defense (DoD) agencies with development obligations are able to categorize these obligations according to the advanced technology and major systems development breakdown. Therefore, total DoD development does not equal the sum of total DoD advanced technology development and total DoD major systems development.

⁴ This agency's name changed to the Advanced Research Projects Agency on July 13, 1993, and it was changed back to Defense Advanced Research Projects Agency in February 1996.

⁵ Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services' submission as of Vol. 45.

⁶ Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.

⁷ As of fiscal year 1996, data for the National Biological Service (NBS) are included with the Geological Survey's submission, since NBS's funding comes from the Geological Survey's congressional appropriation.

NOTES: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

Beginning with Vol. 44, Department of Defense development obligations are reported in two categories: advanced technology and major systems.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development, Fiscal Years 1995, 1996, and 1997

BEST COPY AVAILABLE

Table C-52. Federal funds for R&D plant, by agency: fiscal years 1995, 1996, and 1997

[Dollars in thousands]

Page 1 of 2

Agency and subdivision	Obligations			Outlays		
	1995	Preliminary		1995	Preliminary	
		1996	1997		1996	1997
Total, all agencies	2,256,884	1,970,827	2,084,941	2,035,422	2,303,096	2,426,892
Departments:						
Department of Agriculture, total	143,372	149,513	125,262	128,441	149,234	153,587
Agricultural Research Service ¹	67,732	78,466	123,262	79,057	87,939	96,592
Animal & Plant Health Inspection Service	0	1,500	0	0	1,500	0
Cooperative State Research, Education, & Extension Service ²	71,324	67,047	0	45,068	57,295	54,995
Forest Service	4,316	2,500	2,000	4,316	2,500	2,000
Department of Commerce, total	77,703	79,734	105,530	23,472	31,673	48,577
National Institute of Standards & Technology	77,209	79,444	105,240	22,978	31,383	48,287
National Oceanic & Atmospheric Administration	494	290	290	494	290	290
Department of Defense, total	65,244	84,533	39,972	82,999	93,217	51,269
Department of the Army, total	5,487	5,134	4,370	4,216	5,233	4,612
Department of the Army, Military Functions	5,487	5,134	4,370	4,216	5,233	4,612
Department of the Navy	11,274	8,299	11,997	37,456	18,918	9,665
Department of the Air Force	37,805	27,348	19,954	26,890	28,499	25,104
Defense Agencies, total	10,678	43,752	3,651	14,437	40,567	11,888
Ballistic Missile Defense Organization	5,731	26,540	1,404	8,028	26,540	1,404
Defense Logistics Agency	200	200	200	200	200	200
Defense Nuclear Agency	0	0	0	4,215	5,865	2,230
Washington Headquarters Services ³	4,747	17,012	2,047	1,994	7,962	8,054
Department of Education	1,777	0	0	995	6,353	641
Department of Energy	745,069	755,787	825,861	864,132	870,479	915,732
Department of Health & Human Services, total	255,705	303,811	429,350	267,049	314,991	435,870
Food & Drug Administration	5,349	12,150	8,350	16,693	23,330	14,870
Health Resources & Services Administration	1,575	1,000	1,000	1,575	1,000	1,000
National Institutes of Health ⁴	248,781	290,661	420,000	248,781	290,661	420,000
Department of the Interior, total	6,666	2,367	7,152	6,529	2,374	7,011
Geological Survey ⁵	5,375	1,375	6,160	5,257	1,382	6,019
Minerals Management Service	992	992	992	992	992	992
National Biological Service ^{6 5}	299	0	0	280	0	0
Department of Transportation, total	28,779	29,142	22,479	26,703	19,691	23,769
Coast Guard	525	525	525	525	525	525
Federal Aviation Administration	21,690	20,600	17,200	14,000	16,000	18,000
Federal Highway Administration	3,027	3,834	1,334	10,919	320	1,222
Federal Railroad Administration	3,537	4,183	3,420	1,259	2,846	4,022
Department of the Treasury, total	155	156	157	155	156	157
United States Customs Service	125	125	125	125	125	125
United States Secret Service ⁷	30	31	32	30	31	32
Department of Veterans Affairs	7,200	3,600	4,300	7,200	3,600	4,300

See explanatory information, if any, and SOURCE at end of table

Table C-52. Federal funds for R&D plant, by agency: fiscal years 1995, 1996, and 1997

[Dollars in thousands]

Page 2 of 2

Agency and subdivision	Obligations			Outlays		
	1995	Preliminary		1995	Preliminary	
		1996	1997		1996	1997
Other agencies:						
Environmental Protection Agency	4,764	4,764	4,764	3,013	3,013	3,013
General Services Administration	69	175	0	1,310	1,239	1,082
National Aeronautics & Space Administration	624,800	332,500	314,800	515,424	590,076	488,884
National Science Foundation	289,581	218,745	200,314	101,000	210,000	287,000
Smithsonian Institution	5,000	5,000	5,000	6,000	6,000	6,000
Tennessee Valley Authority	1,000	1,000	0	1,000	1,000	0

¹ The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.

² The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.

³ Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services' submission as of Vol. 45.

⁴ Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.

⁵ As of fiscal year 1996, data for the National Biological Service (NBS) are included with the Geological Survey's submission, since NBS's funding comes from the Geological Survey's congressional appropriation.

⁶ The National Biological Service's (NBS) name changed from the National Biological Survey on Jan. 5, 1995. As of fiscal year 1994, NBS performs all biological research activities formerly funded by the United States Fish & Wildlife Service and the National Park Service.

⁷ The United States Secret Service was formerly listed as the Office of Protective Research.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997.

BEST COPY AVAILABLE

Table C-53. Federal obligations for R&D plant, by agency and performer of the research and development the plant supports: fiscal year 1995

[Dollars in thousands]

Page 1 of 2

Page 1 of 1

Agency and subdivision	Total	Intra-mural ¹	Extramural								Foreign
			United States and territories							State and local govts	
			Indus-trial firms	FFRDCs admin by indus-trial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other non-profit institutions	FFRDCs admin by non-profit institutions			
Total, all agencies	2,256,884	482,586	696,593	95,143	323,832	543,888	25,594	62,623	525	26,100	
Departments:											
Department of Agriculture, total	143,372	72,048	0	0	66,918	0	4,406	0	0	0	
Agricultural Research Service ²	67,732	67,732	0	0	0	0	0	0	0	0	
Cooperative State Research, Education, & Extension Service ³	71,324	0	0	0	66,918	0	4,406	0	0	0	
Forest Service	4,316	4,316	0	0	0	0	0	0	0	0	
Department of Commerce, total	77,703	77,703	0	0	0	0	0	0	0	0	
National Inst of Standards & Tech	77,209	77,209	0	0	0	0	0	0	0	0	
Nat'l Oceanic & Atmospheric Admin	494	494	0	0	0	0	0	0	0	0	
Department of Defense, total	65,244	53,143	10,283	0	1,503	115	0	200	0	0	
Department of the Army	5,487	0	5,487	0	0	0	0	0	0	0	
Department of the Navy	11,274	7,793	3,481	0	0	0	0	0	0	0	
Department of the Air Force	37,805	37,805	0	0	0	0	0	0	0	0	
Defense Agencies, total	10,678	7,545	1,315	0	1,503	115	0	200	0	0	
Ballistic Missile Defense Organization	5,731	5,731	0	0	0	0	0	0	0	0	
Defense Logistics Agency	200	0	0	0	0	0	0	200	0	0	
Washington Headquarters Svcs ⁴	4,747	1,814	1,315	0	1,503	115	0	0	0	0	
Department of Education	1,777	0	0	0	1,777	0	0	0	0	0	
Department of Energy	745,069	1,250	72,780	95,143	18,182	494,791	500	62,423	0	0	
Dept of Health & Human Svcs, total	255,705	236,324	0	0	12,344	0	7,037	0	0	0	
Food & Drug Administration	5,349	5,349	0	0	0	0	0	0	0	0	
Health Resources & Services Admin	1,575	1,575	0	0	0	0	0	0	0	0	
National Institutes of Health ⁵	248,781	229,400	0	0	12,344	0	7,037	0	0	0	
Department of the Interior, total	6,666	299	6,367	0	0	0	0	0	0	0	
Geological Survey ⁶	5,375	0	5,375	0	0	0	0	0	0	0	
Minerals Management Service	992	0	992	0	0	0	0	0	0	0	
National Biological Service ^{7 6}	299	299	0	0	0	0	0	0	0	0	

See explanatory information, if any, and SOURCE at end of table.

Table C-53. Federal obligations for R&D plant, by agency and performer of the research and development the plant supports: fiscal year 1995

[Dollars in thousands]

Page 2 of 2

Agency and subdivision	Total	Intra-mural ¹	Extramural								Foreign
			United States and territories								
			Indus-trial firms	FFRDCs admin by indus-trial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other non-profit insti-tutions	FFRDCs admin by non-profit insti-tutions	State and local govts		
Department of Transportation, total	28,779	24,717	0	0	0	0	3,537	0	525	0	
Coast Guard	525	0	0	0	0	0	0	0	525	0	
Federal Aviation Administration	21,690	21,690	0	0	0	0	0	0	0	0	
Federal Highway Administration	3,027	3,027	0	0	0	0	0	0	0	0	
Federal Railroad Administration	3,537	0	0	0	0	0	3,537	0	0	0	
Department of the Treasury, total	155	30	125	0	0	0	0	0	0	0	
United States Customs Service	125	0	125	0	0	0	0	0	0	0	
United States Secret Service ²	30	30	0	0	0	0	0	0	0	0	
Department of Veterans Affairs	7,200	7,200	0	0	0	0	0	0	0	0	
Other agencies:											
Environmental Protection Agency	4,764	0	4,764	0	0	0	0	0	0	0	
General Services Administration	69	0	0	0	69	0	0	0	0	0	
National Aeronautics & Space Admin	624,800	3,872	594,828	0	0	0	0	0	0	26,100	
National Science Foundation	289,581	0	7,446	0	223,039	48,982	10,114	0	0	0	
Smithsonian Institution	5,000	5,000	0	0	0	0	0	0	0	0	
Tennessee Valley Authority	1,000	1,000	0	0	0	0	0	0	0	0	

¹ Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

² The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.

³ The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.

⁴ Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services' submission as of Vol. 45.

⁵ Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.

⁶ As of fiscal year 1996, data for the National Biological Service (NBS) are included with the Geological Survey's submission, since NBS's funding comes from the Geological Survey's congressional appropriation.

⁷ The National Biological Service's (NBS) name changed from the National Biological Survey on Jan. 5, 1995. As of fiscal year 1994, NBS performs all biological research activities formerly funded by the United States Fish & Wildlife Service and the National Park Service.

⁸ The United States Secret Service was formerly listed as the Office of Protective Research.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

Table C-54. Preliminary Federal obligations for R&D plant, by agency and performer of the research and development the plant supports: fiscal year 1996

[Dollars in thousands]

Page 1 of 2

Agency and subdivision	Total	Intra-mural ¹	Extramural								Foreign
			United States and territories								
			Indus-trial firms	FFRDCs admin by indus-trial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other non-profit institutions	FFRDCs admin by non-profit institutions	State and local govts		
Total, all agencies	1,970,827	571,073	414,954	77,101	279,574	536,179	21,728	69,693	525	0	
Departments:											
Department of Agriculture, total	149,513	87,144	0	0	56,879	0	5,490	0	0	0	
Agricultural Research Service ²	78,466	78,466	0	0	0	0	0	0	0	0	
Animal & Plant Hlth Inspection Svc	1,500	1,500	0	0	0	0	0	0	0	0	
Cooperative State Research, Education, & Extension Service ³	67,047	4,678	0	0	56,879	0	5,490	0	0	0	
Forest Service	2,500	2,500	0	0	0	0	0	0	0	0	
Department of Commerce, total	79,734	79,734	0	0	0	0	0	0	0	0	
National Inst of Standards & Tech	79,444	79,444	0	0	0	0	0	0	0	0	
Nat'l Oceanic & Atmospheric Admin	290	290	0	0	0	0	0	0	0	0	
Department of Defense, total	84,533	62,062	8,085	0	14,086	100	0	200	0	0	
Department of the Army	5,134	0	5,134	0	0	0	0	0	0	0	
Department of the Navy	8,299	5,919	2,380	0	0	0	0	0	0	0	
Department of the Air Force	27,348	27,348	0	0	0	0	0	0	0	0	
Defense Agencies, total	43,752	28,795	571	0	14,086	100	0	200	0	0	
Ballistic Missile Defense Organization	26,540	26,540	0	0	0	0	0	0	0	0	
Defense Logistics Agency	200	0	0	0	0	0	0	200	0	0	
Washington Headquarters Svcs ⁴	17,012	2,255	571	0	14,086	100	0	0	0	0	
Department of Energy	755,787	2,177	61,923	77,101	15,943	528,650	500	69,493	0	0	
Dept of Health & Human Svcs, total	303,811	303,811	0	0	0	0	0	0	0	0	
Food & Drug Administration	12,150	12,150	0	0	0	0	0	0	0	0	
Health Resources & Services Admin	1,000	1,000	0	0	0	0	0	0	0	0	
National Institutes of Health ⁵	290,661	290,661	0	0	0	0	0	0	0	0	
Department of the Interior, total	2,367	0	2,367	0	0	0	0	0	0	0	
Geological Survey ⁶	1,375	0	1,375	0	0	0	0	0	0	0	
Minerals Management Service	992	0	992	0	0	0	0	0	0	0	

See explanatory information, if any, and SOURCE at end of table.

Table C-54. Preliminary Federal obligations for R&D plant, by agency and performer of the research and development the plant supports: fiscal year 1996

[Dollars in thousands]

Page 2 of 2

Agency and subdivision	Total	Intra-mural ¹	Extramural								Foreign
			United States and territories								
			indus-trial firms	FFRDCs admin by indus-trial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other non-profit insti-tutions	FFRDCs admin by non-profit institutions	State and local govts		
Department of Transportation, total	29,142	24,434	0	0	0	0	4,183	0	525	0	
Coast Guard	525	0	0	0	0	0	0	0	525	0	
Federal Aviation Administration	20,600	20,600	0	0	0	0	0	0	0	0	
Federal Highway Administration	3,834	3,834	0	0	0	0	0	0	0	0	
Federal Railroad Administration	4,183	0	0	0	0	0	4,183	0	0	0	
Department of the Treasury, total	156	31	125	0	0	0	0	0	0	0	
United States Customs Service	125	0	125	0	0	0	0	0	0	0	
United States Secret Service ⁷	31	31	0	0	0	0	0	0	0	0	
Department of Veterans Affairs	3,600	3,600	0	0	0	0	0	0	0	0	
Other agencies:											
Environmental Protection Agency	4,764	0	4,764	0	0	0	0	0	0	0	
General Services Administration	175	0	0	0	175	0	0	0	0	0	
National Aeronautics & Space Admin	332,500	2,080	330,420	0	0	0	0	0	0	0	
National Science Foundation	218,745	0	7,270	0	192,491	7,429	11,555	0	0	0	
Smithsonian Institution	5,000	5,000	0	0	0	0	0	0	0	0	
Tennessee Valley Authority	1,000	1,000	0	0	0	0	0	0	0	0	

¹ Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

² The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.

³ The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.

⁴ Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services' submission as of Vol. 45.

⁵ Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.

⁶ As of fiscal year 1996, data for the National Biological Service (NBS) are included with the Geological Survey's submission, since NBS's funding comes from the Geological Survey's congressional appropriation.

⁷ The United States Secret Service was formerly listed as the Office of Protective Research.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation SRS, Survey of Federal Funds for Research and Development, Fiscal Years 1995, 1996, and 1997

BEST COPY AVAILABLE

Table C-55. Preliminary Federal obligations for R&D plant, by agency and performer of the research and development the plant supports: fiscal year 1997

[Dollars in thousands]

Page 1 of 2

Agency and subdivision	Total	Intra-mural ¹	Extramural								Foreign
			United States and territories								
			Indus-trial firms	FFRDCs admin by indus-trial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other non-profit institutions	FFRDCs admin by non-profit institutions	State and local govts		
Total, all agencies	2,084,941	723,743	407,506	83,305	157,377	642,065	12,225	58,195	525	0	
Departments											
Department of Agriculture, total	125,262	125,262	0	0	0	0	0	0	0	0	
Agricultural Research Service ²	123,262	123,262	0	0	0	0	0	0	0	0	
Forest Service	2,000	2,000	0	0	0	0	0	0	0	0	
Department of Commerce, total	105,530	105,530	0	0	0	0	0	0	0	0	
National Inst of Standards & Tech	105,240	105,240	0	0	0	0	0	0	0	0	
Nat'l Oceanic & Atmospheric Admin	290	290	0	0	0	0	0	0	0	0	
Department of Defense, total	39,972	32,349	6,895	0	428	100	0	200	0	0	
Department of the Army	4,370	0	4,370	0	0	0	0	0	0	0	
Department of the Navy	11,997	10,043	1,954	0	0	0	0	0	0	0	
Department of the Air Force	19,954	19,954	0	0	0	0	0	0	0	0	
Defense Agencies, total	3,651	2,352	571	0	428	100	0	200	0	0	
Ballistic Missile Defense Organization	1,404	1,404	0	0	0	0	0	0	0	0	
Defense Logistics Agency	200	0	0	0	0	0	0	200	0	0	
Washington Headquarters Svcs ³	2,047	948	571	0	428	100	0	0	0	0	
Department of Energy	825,861	1,417	39,384	83,305	11,575	631,705	480	57,995	0	0	
Dept of Health & Human Svcs, total	429,350	429,350	0	0	0	0	0	0	0	0	
Food & Drug Administration	8,350	8,350	0	0	0	0	0	0	0	0	
Health Resources & Services Admin	1,000	1,000	0	0	0	0	0	0	0	0	
National Institutes of Health ⁴	420,000	420,000	0	0	0	0	0	0	0	0	
Department of the Interior, total	7,152	0	7,152	0	0	0	0	0	0	0	
Geological Survey ⁵	6,160	0	6,160	0	0	0	0	0	0	0	
Minerals Management Service	992	0	992	0	0	0	0	0	0	0	

See explanatory information, if any, and SOURCE at end of table

Table C-55. Preliminary Federal obligations for R&D plant, by agency and performer of the research and development the plant supports: fiscal year 1997

[Dollars in thousands]

Page 2 of 2

Agency and subdivision	Total	Intra- mural ¹	Extramural								Foreign
			United States and territories							State and local govts	
			Indus- trial firms	FFRDCs admin by indus- trial firms	Univer- sities and colleges	FFRDCs admin by univs and colleges	Other non- profit insti- tutions	FFRDCs admin by non- profit insti- tutions			
Department of Transportation, total	22,479	18,534	0	0	0	0	3,420	0	525	0	
Coast Guard	525	0	0	0	0	0	0	0	525	0	
Federal Aviation Administration	17,200	17,200	0	0	0	0	0	0	0	0	
Federal Highway Administration	1,334	1,334	0	0	0	0	0	0	0	0	
Federal Railroad Administration	3,420	0	0	0	0	0	3,420	0	0	0	
Department of the Treasury, total	157	32	125	0	0	0	0	0	0	0	
United States Customs Service	125	0	125	0	0	0	0	0	0	0	
United States Secret Service ⁶	32	32	0	0	0	0	0	0	0	0	
Department of Veterans Affairs	4,300	4,300	0	0	0	0	0	0	0	0	
Other agencies:											
Environmental Protection Agency	4,764	0	4,764	0	0	0	0	0	0	0	
National Aeronautics & Space Admin	314,800	1,969	312,831	0	0	0	0	0	0	0	
National Science Foundation	200,314	0	36,355	0	145,374	10,260	8,325	0	0	0	
Smithsonian Institution	5,000	5,000	0	0	0	0	0	0	0	0	

¹ Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance

² The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.

³ Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services' submission as of Vol. 45.

⁴ Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.

⁵ As of fiscal year 1996, data for the National Biological Service (NBS) are included with the Geological Survey's submission, since NBS's funding comes from the Geological Survey's congressional appropriation.

⁶ The United States Secret Service was formerly listed as the Office of Protective Research.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

Table C-56. Federal obligations for research performed at universities and colleges, by detailed field of science and engineering: fiscal years 1995, 1996, and 1997

[Dollars in thousands]

Page 1 of 1

Field of science and engineering	1995	Preliminary	
		1996	1997
Total, all fields	9,972,606	10,533,732	10,461,652
Life sciences, total	5,669,655	6,233,587	6,104,313
Biological (excluding environmental)	2,637,649	NA	NA
Environmental biology	208,560	NA	NA
Agricultural	156,021	NA	NA
Medical	2,493,235	NA	NA
Life sciences, n.e.c.	174,190	NA	NA
Psychology, total	279,512	303,728	305,063
Biological aspects	9,546	NA	NA
Social aspects	21,640	NA	NA
Psychological sciences, n.e.c.	248,326	NA	NA
Physical sciences, total	1,193,521	1,194,045	1,194,400
Astronomy	167,390	NA	NA
Chemistry	362,335	NA	NA
Physics	589,618	NA	NA
Physical sciences, n.e.c.	74,178	NA	NA
Environmental sciences, total	629,682	611,549	615,434
Atmospheric	215,511	NA	NA
Geological	175,226	NA	NA
Oceanography	113,624	NA	NA
Environmental sciences, n.e.c.	125,321	NA	NA
Mathematics & computer sciences, total	513,611	559,076	536,115
Mathematics	145,843	NA	NA
Computer sciences	350,875	NA	NA
Mathematics & computer sciences, n.e.c.	16,893	NA	NA
Engineering, total	1,088,388	1,021,845	1,082,357
Aeronautical	52,458	NA	NA
Astronautical	18,094	NA	NA
Chemical	69,383	NA	NA
Civil	52,749	NA	NA
Electrical	176,701	NA	NA
Mechanical	141,609	NA	NA
Metallurgy & materials	295,352	NA	NA
Engineering, n.e.c.	282,042	NA	NA
Social sciences, total	204,488	201,494	207,473
Anthropology	11,512	NA	NA
Economics	59,826	NA	NA
Political science	7,303	NA	NA
Sociology	16,305	NA	NA
Social sciences, n.e.c.	109,542	NA	NA
Other sciences, n.e.c.	393,749	- 408,408	- 416,497

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The research obligations of the six agencies included in this table represent approximately 96 percent of total Federal research obligations to universities and colleges in fiscal years 1995, 1996, and 1997.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: NA = Not applicable (indicates that the data collected for this table were not recorded at that level in that particular fiscal year)
n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation SRS, Survey of Federal Funds for Research and Development Fiscal Years 1995, 1996, and 1997

Table C-57. Federal obligations for research performed at universities and colleges, by agency and field of science and engineering: fiscal year 1995

[Dollars in thousands]

Page 1 of 1

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Total, all agencies	9,972,606	5,669,655	279,512	1,193,521	629,682	513,611	1,088,388	204,488	393,749
Departments:									
Department of Agriculture, total	430,853	324,044	0	24,832	4,437	2,571	22,715	52,254	0
Agricultural Marketing Service	481	481	0	0	0	0	0	0	0
Agricultural Research Service ¹	24,198	21,720	0	0	9	2,004	465	0	0
Cooperative State Research, Education, & Extension Service ²	379,762	282,843	0	24,832	3,014	0	21,641	47,432	0
Economic Research Service	3,183	0	0	0	0	0	0	3,183	0
Foreign Agricultural Service ³	114	114	0	0	0	0	0	0	0
Forest Service	22,965	18,886	0	0	1,414	422	609	1,634	0
Natl Agricultural Statistics Svc	145	0	0	0	0	145	0	0	0
Rural Business-Cooperative Svc ⁴	5	0	0	0	0	0	0	5	0
Department of Defense, total	1,062,832	113,418	20,873	140,023	112,800	257,625	409,774	86	8,233
Department of the Army	95,166	18,035	2,453	16,377	9,539	11,900	35,928	86	848
Department of the Navy	248,241	18,320	10,515	50,193	53,544	24,374	85,640	0	5,655
Department of the Air Force	167,351	10,991	5,580	38,018	14,133	16,090	82,028	0	511
Defense Agencies, total	552,074	66,072	2,325	35,435	35,584	205,261	206,178	0	1,219
Ballistic Missile Defense Organization	13,268	0	0	4,888	966	3,340	4,074	0	0
Defense Advanced Research Projects Agency ⁵	226,723	0	0	1,085	1,003	166,756	57,876	0	3
Defense Nuclear Agency	4,638	0	0	60	3,000	0	362	0	1,216
Washington Headquarters Svcs ⁶	307,445	66,072	2,325	29,402	30,615	35,165	143,866	0	0
Department of Energy	558,061	84,108	0	316,844	58,149	13,272	81,438	0	4,250
Dept of Health & Human Svcs, total	5,599,759	4,800,710	240,880	91,423	13,851	36,935	80,013	82,781	253,166
Administration on Aging	1,500	0	0	0	0	0	0	1,500	0
Admin for Children & Families	9,856	0	0	0	0	0	0	9,856	0
Agcy for Hlth Care Policy & Rsch	50,138	37,447	409	0	0	2,820	0	6,617	2,845
Centers for Disease Control & Prevention	31,700	31,700	0	0	0	0	0	0	0
Food & Drug Administration	9,856	9,856	0	0	0	0	0	0	0
Health Care Financing Admin	5,838	5,838	0	0	0	0	0	0	0
Health Resources & Services Admin	7,229	7,229	0	0	0	0	0	0	0
National Institutes of Health ⁷	5,480,904	4,708,640	240,471	91,423	13,851	34,115	80,013	62,070	250,321
Office of the Secretary	1,499	0	0	0	0	0	0	1,499	0
Social Security Administration ⁸	1,239	0	0	0	0	0	0	1,239	0
Other agencies:									
National Aeronautics & Space Admin	587,589	53,455	4,149	220,565	147,852	29,413	103,839	413	27,903
National Science Foundation	1,733,512	293,920	13,610	399,834	292,593	173,795	390,609	68,954	100,197

¹ The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.

² The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.

³ The Office of International Cooperation & Development became part of the Foreign Agricultural Service (FAS) in June 1994. Data reported for FAS include funds appropriated to International Cooperation & Development programs within FAS as of fiscal year 1994.

⁴ This agency's name changed from the Rural Business & Cooperative Development Service to the Rural Business-Cooperative Service on Jan. 30, 1996.

⁵ This agency's name changed to the Advanced Research Projects Agency on July 13, 1993, and it was changed back to Defense Advanced Research Projects Agency in February 1996.

⁶ Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services' submission as of Vol. 45.

⁷ Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.

⁸ As of Mar. 31, 1995, the Social Security Administration became an independent agency; it is no longer part of the Department of Health & Human Services.

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The research obligations of the six agencies included in this table represent approximately 96 percent of total Federal research obligations to universities and colleges in fiscal year 1995.

Data for only those agencies that had obligations in the variables represented by this in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

Table C-58. Preliminary Federal obligations for research performed at universities and colleges, by agency and field of science and engineering: fiscal year 1996

[Dollars in thousands]

Page 1 of 1

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Total, all agencies	10,533,732	6,233,587	303,728	1,194,045	611,549	559,076	1,021,845	201,494	408,408
Departments									
Department of Agriculture, total	419,407	316,647	0	24,017	4,582	2,621	21,998	49,542	0
Agricultural Research Service ¹	25,465	22,858	0	0	9	2,109	489	0	0
Cooperative State Research, Education, & Extension Service ²	368,650	274,808	0	24,017	2,899	0	20,900	46,026	0
Economic Research Service	1,882	0	0	0	0	0	0	1,882	0
Foreign Agricultural Service ³	355	355	0	0	0	0	0	0	0
Forest Service	22,965	18,626	0	0	1,674	422	609	1,634	0
Natl Agricultural Statistics Svc	90	0	0	0	0	90	0	0	0
Department of Defense, total	1,026,368	110,453	21,161	142,048	96,847	297,676	349,767	38	8,378
Department of the Army	98,919	17,645	2,468	17,245	5,652	9,917	45,487	38	467
Department of the Navy	236,921	16,790	9,396	49,273	48,516	22,355	83,944	0	6,647
Department of the Air Force	157,739	13,986	5,153	31,211	15,692	19,774	71,256	0	667
Defense Agencies, total	532,789	62,032	4,144	44,319	26,987	245,630	149,080	0	597
Ballistic Missile Defense Organization	15,600	0	0	4,914	0	3,240	7,446	0	0
Defense Advanced Research Projects Agency ⁴	208,860	0	0	1,055	787	144,769	62,004	0	245
Defense Nuclear Agency	768	0	0	12	0	0	404	0	352
Washington Headquarters Svcs ⁵	307,561	62,032	4,144	38,338	26,200	97,621	79,226	0	0
Department of Energy	526,497	83,914	0	304,691	54,516	14,220	68,906	0	250
Dept of Health & Human Svcs, total	6,248,275	5,376,803	264,368	105,831	15,043	38,554	90,670	80,837	276,169
Admin for Children & Families	7,304	0	0	0	0	0	0	7,304	0
Agcy for Hlth Care Policy & Rsch	22,115	16,586	0	0	0	1,327	0	2,875	1,327
Centers for Disease Control & Prevention	31,700	31,700	0	0	0	0	0	0	0
Food & Drug Administration	9,856	9,856	0	0	0	0	0	0	0
Health Care Financing Admin	5,200	5,200	0	0	0	0	0	0	0
Health Resources & Services Admin	7,197	7,197	0	0	0	0	0	0	0
National Institutes of Health ⁶	6,162,903	5,306,264	264,368	105,831	15,043	37,227	90,670	68,658	274,842
Office of the Secretary	2,000	0	0	0	0	0	0	2,000	0
Other agencies									
National Aeronautics & Space Admin	587,589	53,455	4,149	220,565	147,852	29,413	103,839	413	27,903
National Science Foundation	1,725,596	292,315	14,050	396,893	292,709	176,592	386,665	70,664	95,708

¹ The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.

² The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.

³ The Office of International Cooperation & Development became part of the Foreign Agricultural Service (FAS) in June 1994. Data reported for FAS include funds appropriated to International Cooperation & Development programs within FAS as of fiscal year 1994.

⁴ This agency's name changed to the Advanced Research Projects Agency on July 13, 1993, and it was changed back to Defense Advanced Research Projects Agency in February 1996.

⁵ Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services' submission as of Vol. 45.

⁶ Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The research obligations of the six agencies included in this table represent approximately 97 percent of total Federal research obligations to universities and colleges in fiscal year 1996.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

Table C-59. Preliminary Federal obligations for research performed at universities and colleges, by agency and field of science and engineering: fiscal year 1997

[Dollars in thousands]

Page 1 of 1

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Total, all agencies	10,461,652	6,104,313	305,063	1,194,400	615,434	536,115	1,082,357	207,473	416,497
Departments:									
Department of Agriculture, total	416,869	323,522	0	22,633	3,900	2,621	19,912	44,281	0
Agricultural Research Service ¹	25,465	22,858	0	0	9	2,109	489	0	0
Cooperative State Research, Education, & Extension Service ²	366,112	281,683	0	22,633	2,217	0	18,814	40,765	0
Economic Research Service	1,882	0	0	0	0	0	0	1,882	0
Foreign Agricultural Service ³	355	355	0	0	0	0	0	0	0
Forest Service	22,965	18,626	0	0	1,674	422	609	1,634	0
Nat'l Agricultural Statistics Svc	90	0	0	0	0	90	0	0	0
Department of Defense, total	968,057	88,372	20,717	131,048	85,817	254,090	380,335	73	7,605
Department of the Army	93,352	16,762	2,579	16,217	4,651	9,965	43,105	73	0
Department of the Navy	236,170	16,845	9,480	48,610	50,121	22,910	81,375	0	6,829
Department of the Air Force	158,506	13,986	5,542	33,827	8,075	21,487	74,938	0	651
Defense Agencies, total	480,029	40,779	3,116	32,394	22,970	199,728	180,917	0	125
Ballistic Missile Defense Organization	16,977	0	0	6,170	0	2,305	8,502	0	0
Defense Advanced Research Projects Agency ⁴	203,250	0	0	1,307	0	142,265	59,678	0	0
Defense Nuclear Agency	682	0	0	153	0	0	404	0	125
Washington Headquarters Svcs ⁵	259,120	40,779	3,116	24,764	22,970	55,158	112,333	0	0
Department of Energy	533,090	71,308	0	307,179	54,471	19,520	80,381	0	231
Dept of Health & Human Svcs, total	6,132,461	5,258,828	264,426	100,751	15,223	39,112	88,095	89,175	276,851
Admin for Children & Families	15,419	0	0	0	0	0	0	15,419	0
Agcy for Hlth Care Policy & Rch	26,811	20,108	0	0	0	1,609	0	3,485	1,609
Centers for Disease Control & Prevention	31,700	31,700	0	0	0	0	0	0	0
Food & Drug Administration	9,856	9,856	0	0	0	0	0	0	0
Health Care Financing Admin	6,605	6,605	0	0	0	0	0	0	0
Health Resources & Services Admin	7,116	7,116	0	0	0	0	0	0	0
National Institutes of Health ⁶	6,032,954	5,183,443	264,426	100,751	15,223	37,503	88,095	68,271	275,242
Office of the Secretary	2,000	0	0	0	0	0	0	2,000	0
Other agencies:									
National Aeronautics & Space Admin	587,589	53,455	4,149	220,565	147,852	29,413	103,839	413	27,903
National Science Foundation	1,823,586	308,828	15,771	412,224	308,171	191,359	409,795	73,531	103,907

¹ The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.

² The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.

³ The Office of International Cooperation & Development became part of the Foreign Agricultural Service (FAS) in June 1994. Data reported for FAS include funds appropriated to International Cooperation & Development programs within FAS as of fiscal year 1994.

⁴ This agency's name changed to the Advanced Research Projects Agency on July 13, 1993, and it was changed back to Defense Advanced Research Projects Agency in February 1996.

⁵ Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services' submission as of Vol. 45.

⁶ Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services, the National Aeronautics and Space Administration, and the National Science Foundation. The research obligations of the six agencies included in this table represent approximately 97 percent of total Federal research obligations to universities and colleges in fiscal year 1997.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

Table C-60. Federal obligations for research performed at universities and colleges in psychology and life sciences, by agency and detailed field of science: fiscal year 1995

[Dollars in thousands]

Page 1 of 1

Agency and subdivision	Psychology				Life sciences					
	Total	Bio-logical aspects	Social aspects	Psycho-logical sciences, n.e.c.	Total	Bio-logical	Environ-mental biology	Agricu-ltural	Medical	Life sciences, n.e.c.
Total, all agencies	279,512	9,546	21,640	248,326	5,669,655	2,637,649	208,560	156,021	2,493,235	174,190
Departments:										
Department of Agriculture, total	0	0	0	0	324,044	87,851	72,194	154,747	9,241	11
Agricultural Marketing Service	0	0	0	0	481	0	0	481	0	0
Agricultural Research Service ¹	0	0	0	0	21,720	5,392	775	15,542	0	11
Cooperative State Research, Education, & Extension Service ²	0	0	0	0	282,843	72,349	62,643	138,610	9,241	0
Foreign Agricultural Service ³	0	0	0	0	114	0	0	114	0	0
Forest Service	0	0	0	0	18,886	10,110	8,776	0	0	0
Department of Defense, total	20,873	6,350	11,782	2,741	113,418	26,232	20,330	0	40,896	25,960
Department of the Army	2,453	0	2,453	0	18,035	4,263	88	0	13,370	314
Department of the Navy	10,515	4,863	4,308	1,344	18,320	9,991	6,478	0	1,851	0
Department of the Air Force	5,580	281	5,021	278	10,991	6,353	4,071	0	0	567
Defense Agencies, total	2,325	1,206	0	1,119	66,072	5,625	9,693	0	25,675	25,079
Washington Headquarters Svcs ⁴	2,325	1,206	0	1,119	66,072	5,625	9,693	0	25,675	25,079
Department of Energy	0	0	0	0	84,108	56,548	25	0	25,124	2,411
Dept of Health & Human Svcs, total	240,880	21	25	240,834	4,800,710	2,236,272	36,586	0	2,408,281	119,571
Agcy for Hlth Care Policy & Rsch	409	21	25	363	37,447	0	0	0	33,473	3,974
Centers for Disease Control & Prevention	0	0	0	0	31,700	0	0	0	31,700	0
Food & Drug Administration	0	0	0	0	9,856	9,856	0	0	0	0
Health Care Financing Admin	0	0	0	0	5,838	0	0	0	0	5,838
Health Resources & Services Admin	0	0	0	0	7,229	0	0	0	7,229	0
National Institutes of Health ⁵	240,471	0	0	240,471	4,708,640	2,226,416	36,586	0	2,335,879	109,759
Other agencies:										
National Aeronautics & Space Admin	4,149	85	2,367	1,697	53,455	23,699	1,804	1,274	9,693	16,985
National Science Foundation	13,610	3,090	7,466	3,054	293,920	207,047	77,621	0	0	9,252

¹ The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.

² The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.

³ The Office of International Cooperation & Development became part of the Foreign Agricultural Service (FAS) in June 1994. Data reported for FAS include funds appropriated to International Cooperation & Development programs within FAS as of fiscal year 1994.

⁴ Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services' submission as of Vol. 45.

⁵ Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The research obligations of the six agencies included in this table represent approximately 96 percent of total Federal research obligations to universities and colleges in fiscal year 1995.

Data for only those agencies that had obligations in the variables represented by this in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

Table C-61. Federal obligations for research performed at universities and colleges in physical and environmental sciences, by agency and detailed field of science: fiscal year 1995

[Dollars in thousands]

Page 1 of 1

Agency and subdivision	Physical sciences					Environmental sciences				
	Total	Astronomy	Chemistry	Physics	Physical sciences, n.e.c.	Total	Atmospheric	Geological	Oceanography	Environmental sciences, n.e.c.
Total, all agencies	1,193,521	167,390	362,335	589,618	74,178	629,682	215,511	175,226	113,624	125,321
Departments:										
Department of Agriculture, total	24,832	0	24,832	0	0	4,437	3,498	930	0	9
Agricultural Research Service ¹	0	0	0	0	0	9	0	0	0	9
Cooperative State Research, Education, & Extension Service ²	24,832	0	24,832	0	0	3,014	3,014	0	0	0
Forest Service	0	0	0	0	0	1,414	484	930	0	0
Department of Defense, total	140,023	5,402	62,957	70,679	985	112,800	27,208	29,627	45,211	10,754
Department of the Army	16,377	0	7,873	8,498	6	9,539	3,580	1,066	84	4,809
Department of the Navy	50,193	2,347	16,834	30,790	222	53,544	9,478	13,607	30,459	0
Department of the Air Force	38,018	2,602	24,211	11,205	0	14,133	5,261	8,872	0	0
Defense Agencies, total	35,435	453	14,039	20,186	757	35,584	8,889	6,082	14,668	5,945
Ballistic Missile Defense Organization	4,888	0	1,948	2,440	500	966	966	0	0	0
Defense Advanced Research Projects Agency ³	1,085	0	0	888	197	1,003	0	1,003	0	0
Defense Nuclear Agency	60	0	0	0	60	3,000	0	0	0	3,000
Washington Headquarters Svcs ⁴	29,402	453	12,091	16,858	0	30,615	7,923	5,079	14,668	2,945
Department of Energy	316,844	0	43,044	271,144	2,656	58,149	28,034	24,053	4,472	1,590
Dept of Health & Human Svcs, total	91,423	0	80,712	10,711	0	13,851	0	0	0	13,851
National Institutes of Health ⁵	91,423	0	80,712	10,711	0	13,851	0	0	0	13,851
Other agencies										
National Aeronautics & Space Admin	220,565	113,837	5,830	66,332	34,566	147,852	56,045	18,997	12,916	59,894
National Science Foundation	399,834	48,151	144,960	170,752	35,971	292,593	100,726	101,619	51,025	39,223

¹ The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.

² The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.

³ This agency's name changed to the Advanced Research Projects Agency on July 13, 1993, and it was changed back to Defense Advanced Research Projects Agency in February 1996.

⁴ Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services' submission as of Vol. 45.

⁵ Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The research obligations of the six agencies included in this table represent approximately 96 percent of total Federal research obligations to universities and colleges in fiscal year 1995.

Data for only those agencies that had obligations in the variables represented by this in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

BEST COPY AVAILABLE

Table C-62. Federal obligations for research performed at universities and colleges in engineering, by agency and detailed field of engineering: fiscal year 1995

[Dollars in thousands]

Page 1 of 1

Agency and subdivision	Total	Aero- nautical	Astro- nautical	Chemical	Civil	Elec- trical	Mechan- ical	Metal- lurgy and materials	Engi- neering, n.e.c.
Total, all agencies	1,088,388	52,458	18,094	69,383	52,749	176,701	141,609	295,352	282,042
Departments:									
Department of Agriculture, total	22,715	0	0	0	0	0	0	0	22,715
Agricultural Research Service ¹	465	0	0	0	0	0	0	0	465
Cooperative State Research, Education, & Extension Service ²	21,641	0	0	0	0	0	0	0	21,641
Forest Service	609	0	0	0	0	0	0	0	609
Department of Defense, total	409,774	20,878	6,557	4,801	10,160	122,417	72,096	113,252	59,613
Department of the Army	35,928	749	12	596	7,131	12,668	5,036	8,125	1,611
Department of the Navy	85,640	561	3,527	561	1,043	29,271	26,828	23,698	151
Department of the Air Force	82,028	12,815	2,768	0	478	17,176	8,220	20,571	20,000
Defense Agencies, total	206,178	6,753	250	3,644	1,508	63,302	32,012	60,858	37,851
Ballistic Missile Defense Organization	4,074	275	250	222	0	2,156	43	1,128	0
Defense Advanced Research Projects Agency ³	57,876	0	0	0	0	7,146	0	27,627	23,103
Defense Nuclear Agency	362	0	0	0	0	305	57	0	0
Washington Headquarters Svcs ⁴	143,866	6,478	0	3,422	1,508	53,695	31,912	32,103	14,748
Department of Energy	81,438	0	0	19,844	4,437	3,028	8,463	18,263	27,403
Dept of Health & Human Svcs, total	80,013	0	0	0	0	0	0	0	80,013
National Institutes of Health ⁵	80,013	0	0	0	0	0	0	0	80,013
Other agencies:									
National Aeronautics & Space Admin	103,839	31,580	11,537	2,970	1,235	7,489	10,045	19,265	19,718
National Science Foundation	390,609	0	0	41,768	36,917	43,767	51,005	144,572	72,580

¹ The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.

² The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.

³ This agency's name changed to the Advanced Research Projects Agency on July 13, 1993, and it was changed back to Defense Advanced Research Projects Agency in February 1996.

⁴ Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services' submission as of Vol. 45.

⁵ Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The research obligations of the six agencies included in this table represent approximately 96 percent of total Federal research obligations to universities and colleges in fiscal year 1995.

Data for only those agencies that had obligations in the variables represented by this in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS. Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

Table C-63. Federal obligations for research performed at universities and colleges in mathematics and computer sciences and in social sciences, by agency and detailed field of science: fiscal year 1995

[Dollars in thousands]

Page 1 of 1

Agency and subdivision	Mathematics and computer sciences				Social sciences					
	Total	Mathematics	Computer sciences	Mathematics and computer sciences, n.e.c.	Total	Anthropology	Economics	Political science	Sociology	Social sciences, n.e.c.
Total, all agencies	513,611	145,843	350,875	16,893	204,488	11,512	59,826	7,303	16,305	109,542
Departments:										
Department of Agriculture, total	2,571	567	2,004	0	52,254	0	44,640	0	7,614	0
Agricultural Research Service ¹	2,004	0	2,004	0	0	0	0	0	0	0
Cooperative State Research, Education, & Extension Service ²	0	0	0	0	47,432	0	40,047	0	7,385	0
Economic Research Service	0	0	0	0	3,183	0	3,183	0	0	0
Forest Service	422	422	0	0	1,634	0	1,405	0	229	0
Nat'l Agricultural Statistics Svc	145	145	0	0	0	0	0	0	0	0
Rural Business-Cooperative Svc ³	0	0	0	0	5	0	5	0	0	0
Department of Defense, total	257,625	38,971	212,473	6,181	86	0	52	0	34	0
Department of the Army	11,900	5,311	5,609	980	86	0	52	0	34	0
Department of the Navy	24,374	12,228	12,078	68	0	0	0	0	0	0
Department of the Air Force	16,090	9,808	4,152	2,130	0	0	0	0	0	0
Defense Agencies, total	205,261	11,624	190,634	3,003	0	0	0	0	0	0
Ballistic Missile Defense Organization	3,340	250	3,090	0	0	0	0	0	0	0
Defense Advanced Research Projects Agency ⁴	166,756	3,184	163,375	197	0	0	0	0	0	0
Washington Headquarters Svcs ⁵	35,165	8,190	24,169	2,806	0	0	0	0	0	0
Department of Energy	13,272	8,908	4,364	0	0	0	0	0	0	0
Dept of Health & Human Svcs, total	36,935	20,112	16,823	0	82,781	0	3,119	108	1,915	77,639
Administration on Aging	0	0	0	0	1,500	0	0	0	0	1,500
Admin for Children & Families	0	0	0	0	9,856	0	0	0	0	9,856
Agcy for Hlth Care Policy & Rsch	2,820	128	2,692	0	6,617	0	3,119	108	1,915	1,475
National Institutes of Health ⁶	34,115	19,984	14,131	0	62,070	0	0	0	0	62,070
Office of the Secretary	0	0	0	0	1,499	0	0	0	0	1,499
Social Security Administration ⁷	0	0	0	0	1,239	0	0	0	0	1,239
Other agencies:										
National Aeronautics & Space Admin	29,413	917	22,231	6,265	413	0	0	0	0	413
National Science Foundation	173,795	76,368	92,980	4,447	68,954	11,512	12,015	7,195	6,742	31,490

¹ The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.

² The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.

³ This agency's name changed from the Rural Business & Cooperative Development Service to the Rural Business-Cooperative Service on Jan. 30, 1996.

⁴ This agency's name changed to the Advanced Research Projects Agency on July 13, 1993, and it was changed back to Defense Advanced Research Projects Agency in February 1996.

⁵ Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services' submission as of Vol. 45.

⁶ Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.

⁷ As of Mar. 31, 1995, the Social Security Administration became an independent agency; it is no longer part of the Department of Health & Human Services.

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services, the National Aeronautics and Space Administration, and the National Science Foundation. The research obligations of the six agencies included in this table represent approximately 96 percent of total Federal research obligations to universities and colleges in fiscal year 1995.

Data for only those agencies that had obligations in the variables represented by this in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development, Fiscal Years 1995, 1996, and 1997

Table C-64. Federal obligations for basic research performed at universities and colleges, by detailed field of science and engineering: fiscal years 1995, 1996, and 1997

[Dollars in thousands]

Page 1 of 1

Field of science and engineering	1995	Preliminary	
		1996	1997
Total, all fields	6,909,852	7,703,420	7,374,382
Life sciences, total	3,715,185	4,375,404	4,031,424
Biological (excluding environmental)	1,868,843	NA	NA
Environmental biology	145,558	NA	NA
Agricultural	78,766	NA	NA
Medical	1,524,931	NA	NA
Life sciences, n.e.c.	97,087	NA	NA
Psychology, total	162,533	193,293	177,060
Biological aspects	8,855	NA	NA
Social aspects	12,195	NA	NA
Psychological sciences, n.e.c.	141,483	NA	NA
Physical sciences, total	975,889	1,051,815	1,050,384
Astronomy	141,351	NA	NA
Chemistry	312,685	NA	NA
Physics	455,444	NA	NA
Physical sciences, n.e.c.	66,409	NA	NA
Environmental sciences, total	577,849	567,657	577,077
Atmospheric	204,968	NA	NA
Geological	161,742	NA	NA
Oceanography	106,642	NA	NA
Environmental sciences, n.e.c.	104,497	NA	NA
Mathematics & computer sciences, total	313,803	377,881	359,060
Mathematics	131,654	NA	NA
Computer sciences	174,363	NA	NA
Mathematics & computer sciences, n.e.c.	7,786	NA	NA
Engineering, total	788,519	724,617	779,532
Aeronautical	42,438	NA	NA
Astronautical	12,027	NA	NA
Chemical	39,121	NA	NA
Civil	37,119	NA	NA
Electrical	140,914	NA	NA
Mechanical	119,698	NA	NA
Metallurgy & materials	235,736	NA	NA
Engineering, n.e.c.	161,466	NA	NA
Social sciences, total	112,070	121,009	117,565
Anthropology	10,786	NA	NA
Economics	22,311	NA	NA
Political science	6,590	NA	NA
Sociology	8,343	NA	NA
Social sciences, n.e.c.	64,040	NA	NA
Other sciences, n.e.c.	264,004	291,744	282,280

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The basic research obligations of the six agencies included in this table represent approximately 99 percent of total Federal basic research obligations to universities and colleges in fiscal years 1995, 1996, and 1997.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: NA = Not applicable (indicates that the data collected for this table were not recorded at that level in that particular fiscal year)
n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

Table C-65. Federal obligations for basic research performed at universities and colleges, by agency and field of science and engineering: fiscal year 1995

[Dollars in thousands]

Page 1 of 1

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Total, all agencies	6,909,852	3,715,185	162,533	975,889	577,849	313,803	788,519	112,070	264,004
Departments:									
Department of Agriculture, total	192,870	158,837	0	9,577	1,390	1,341	6,706	15,019	0
Agricultural Research Service ¹	14,203	12,749	0	0	5	1,176	273	0	0
Cooperative State Research, Education, & Extension Service ²	169,287	138,349	0	9,577	1,121	0	6,196	14,044	0
Economic Research Service	318	0	0	0	0	0	0	318	0
Foreign Agricultural Service ³	86	86	0	0	0	0	0	0	0
Forest Service	8,976	7,653	0	0	264	165	237	657	0
Department of Defense, total	713,637	79,234	14,300	121,335	91,022	93,234	308,666	0	5,846
Department of the Army	71,100	10,793	1,819	15,257	6,259	10,064	26,908	0	0
Department of the Navy	210,598	17,221	9,404	40,184	52,242	23,075	63,137	0	5,335
Department of the Air Force	135,818	10,294	752	34,292	14,133	14,226	61,610	0	511
Defense Agencies, total	296,121	40,926	2,325	31,602	18,388	45,869	157,011	0	0
Ballistic Missile Defense Organization	3,000	0	0	2,200	0	0	800	0	0
Defense Advanced Research Projects Agency ⁴	28,561	0	0	0	0	13,510	15,051	0	0
Washington Headquarters Svcs ⁵	264,560	40,926	2,325	29,402	18,388	32,359	141,160	0	0
Department of Energy	369,311	57,654	0	211,327	50,152	13,272	36,767	0	139
Dept of Health & Human Svcs, total	3,555,562	3,095,781	134,770	70,052	7,112	18,135	54,406	36,270	139,036
National Institutes of Health ⁶	3,555,562	3,095,781	134,770	70,052	7,112	18,135	54,406	36,270	139,036
Other agencies									
National Aeronautics & Space Admin	480,168	43,437	1,897	176,757	138,676	23,152	72,867	413	22,969
National Science Foundation	1,598,304	280,242	11,566	386,841	289,497	164,669	309,107	60,368	96,014

¹ The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.

² The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.

³ The Office of International Cooperation & Development became part of the Foreign Agricultural Service (FAS) in June 1994. Data reported for FAS include funds appropriated to International Cooperation & Development programs within FAS as of fiscal year 1994.

⁴ This agency's name changed to the Advanced Research Projects Agency on July 13, 1993, and it was changed back to Defense Advanced Research Projects Agency in February 1996.

⁵ Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services' submission as of Vol. 45.

⁶ Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The basic research obligations of the six agencies included in this table represent approximately 99 percent of total Federal basic research obligations to universities and colleges in fiscal year 1995.

Data for only those agencies that had obligations in the variables represented by this in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development, Fiscal Years 1995, 1996, and 1997

BEST COPY AVAILABLE

Table C-66. Preliminary Federal obligations for basic research performed at universities and colleges, by agency and field of science and engineering: fiscal year 1996

[Dollars in thousands]

Page 1 of 1

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Total, all agencies	7,703,420	4,375,404	193,293	1,051,815	567,657	377,881	724,617	121,009	291,744
Departments									
Department of Agriculture, total	188,434	155,436	0	9,256	1,362	1,403	6,504	14,473	0
Agricultural Research Service ¹	14,947	13,417	0	0	5	1,238	287	0	0
Cooperative State Research Education, & Extension Service ²	164,233	134,291	0	9,256	1,078	0	5,980	13,628	0
Economic Research Service	188	0	0	0	0	0	0	188	0
Foreign Agricultural Service ³	89	89	0	0	0	0	0	0	0
Forest Service	8,977	7,639	0	0	279	165	237	657	0
Department of Defense, total	659,364	52,511	14,519	121,421	82,804	149,291	231,890	0	6,928
Department of the Army	80,124	7,413	1,753	16,710	4,625	8,731	40,892	0	0
Department of the Navy	191,453	15,462	8,055	37,183	46,943	20,786	56,763	0	6,261
Department of the Air Force	122,919	13,171	567	27,668	14,421	18,429	47,996	0	667
Defense Agencies, total	264,868	16,465	4,144	39,860	16,815	101,345	86,239	0	0
Ballistic Missile Defense Organization	2,314	0	0	1,364	0	0	950	0	0
Defense Advanced Research Projects Agency ⁴	26,563	0	0	158	0	12,033	14,372	0	0
Washington Headquarters Svcs ⁵	235,991	16,465	4,144	38,338	16,815	89,312	70,917	0	0
Department of Energy	432,660	55,704	0	277,263	46,585	14,220	38,888	0	0
Dept of Health & Human Svcs, total	4,351,544	3,788,889	164,924	85,725	8,703	22,193	66,579	44,386	170,145
National Institutes of Health ⁶	4,351,544	3,788,889	164,924	85,725	8,703	22,193	66,579	44,386	170,145
Other agencies									
National Aeronautics & Space Admin	480,168	43,437	1,897	176,757	138,676	23,152	72,867	413	22,969
National Science Foundation	1,591,250	279,427	11,953	381,393	289,527	167,622	307,889	61,737	91,702

¹ The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.

² The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.

³ The Office of International Cooperation & Development became part of the Foreign Agricultural Service (FAS) in June 1994. Data reported for FAS include funds appropriated to International Cooperation & Development programs within FAS as of fiscal year 1994.

⁴ This agency's name changed to the Advanced Research Projects Agency on July 13, 1993, and it was changed back to Defense Advanced Research Projects Agency in February 1996.

⁵ Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services' submission as of Vol. 45.

⁶ Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The basic research obligations of the six agencies included in this table represent approximately 99 percent of total Federal basic research obligations to universities and colleges in fiscal year 1996.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

Table C-67. Preliminary Federal obligations for basic research performed at universities and colleges, by agency and field of science and engineering: fiscal year 1997

[Dollars in thousands]

Page 1 of 1

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Total, all agencies	7,374,382	4,031,424	177,060	1,050,384	577,077	359,060	779,532	117,565	282,280
Departments:									
Department of Agriculture, total	198,942	167,395	0	9,191	1,153	1,403	6,195	13,605	0
Agricultural Research Service ¹	14,947	13,417	0	0	5	1,238	287	0	0
Cooperative State Research, Education, & Extension Service ²	174,741	146,250	0	9,191	869	0	5,671	12,760	0
Economic Research Service	188	0	0	0	0	0	0	188	0
Foreign Agricultural Service ³	89	89	0	0	0	0	0	0	0
Forest Service	8,977	7,639	0	0	279	165	237	657	0
Department of Defense, total	647,104	51,457	13,926	111,535	77,167	112,136	273,696	24	7,163
Department of the Army	74,892	7,626	1,881	15,384	3,764	8,145	38,068	24	0
Department of the Navy	198,812	15,754	8,378	38,676	48,829	21,621	59,042	0	6,512
Department of the Air Force	125,593	13,834	551	30,422	8,075	20,070	51,990	0	651
Defense Agencies, total	247,807	14,243	3,116	27,053	16,499	62,300	124,596	0	0
Ballistic Missile Defense Organization	3,314	0	0	2,050	0	0	1,264	0	0
Defense Advanced Research Projects Agency ⁴	25,850	0	0	239	0	10,877	14,734	0	0
Washington Headquarters Svcs ⁵	218,643	14,243	3,116	24,764	16,499	51,423	108,598	0	0
Department of Energy	439,998	53,731	0	279,967	47,540	19,520	39,240	0	0
Dept of Health & Human Svcs, total	3,928,435	3,420,488	148,888	77,391	7,857	20,035	60,105	40,070	153,601
National Institutes of Health ⁶	3,928,435	3,420,488	148,888	77,391	7,857	20,035	60,105	40,070	153,601
Other agencies:									
National Aeronautics & Space Admin	480,168	43,437	1,897	176,757	138,676	23,152	72,867	413	22,969
National Science Foundation	1,679,735	294,916	12,349	395,543	304,684	182,814	327,429	63,453	98,547

¹ The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.

² The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.

³ The Office of International Cooperation & Development became part of the Foreign Agricultural Service (FAS) in June 1994. Data reported for FAS include funds appropriated to International Cooperation & Development programs within FAS as of fiscal year 1994.

⁴ This agency's name changed to the Advanced Research Projects Agency on July 13, 1993, and it was changed back to Defense Advanced Research Projects Agency in February 1996.

⁵ Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services' submission as of Vol. 45.

⁶ Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The basic research obligations of the six agencies included in this table represent approximately 99 percent of total Federal basic research obligations to universities and colleges in fiscal year 1997.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation SRS, Survey of Federal Funds for Research and Development, Fiscal Years 1995, 1996, and 1997

BEST COPY AVAILABLE

Table C-68. Federal obligations for basic research performed at universities and colleges in psychology and life sciences, by agency and detailed field of science: fiscal year 1995

[Dollars in thousands]

Page 1 of 1

Agency and subdivision	Psychology				Life sciences					
	Total	Bio-logical aspects	Social aspects	Psycho-logical sciences, n.e.c.	Total	Bio-logical	Environ-mental biology	Agri-cultural	Medical	Life sciences, n.e.c.
Total, all agencies	162,533	8,855	12,195	141,483	3,715,185	1,868,843	145,558	78,766	1,524,931	97,087
Departments:										
Department of Agriculture, total	0	0	0	0	158,837	50,316	25,356	78,466	4,693	6
Agricultural Research Service ¹	0	0	0	0	12,749	3,165	455	9,123	0	6
Cooperative State Research, Education, & Extension Service ²	0	0	0	0	138,349	43,208	21,191	69,257	4,693	0
Foreign Agricultural Service ³	0	0	0	0	86	0	0	86	0	0
Forest Service	0	0	0	0	7,653	3,943	3,710	0	0	0
Department of Defense, total	14,300	6,180	5,379	2,741	79,234	24,882	20,072	0	33,966	314
Department of the Army	1,819	0	1,819	0	10,793	3,383	88	0	7,008	314
Department of the Navy	9,404	4,693	3,367	1,344	17,221	9,521	6,350	0	1,350	0
Department of the Air Force	752	281	193	278	10,294	6,353	3,941	0	0	0
Defense Agencies, total	2,325	1,206	0	1,119	40,926	5,625	9,693	0	25,608	0
Washington Headquarters Svcs ⁴	2,325	1,206	0	1,119	40,926	5,625	9,693	0	25,608	0
Department of Energy	0	0	0	0	57,654	56,016	0	0	0	1,638
Dept of Health & Human Svcs, total	134,770	0	0	134,770	3,095,781	1,517,313	27,729	0	1,478,909	71,830
National Institutes of Health ⁵	134,770	0	0	134,770	3,095,781	1,517,313	27,729	0	1,478,909	71,830
Other agencies:										
National Aeronautics & Space Admin	1,897	85	190	1,622	43,437	17,804	1,765	300	7,363	16,205
National Science Foundation	11,566	2,590	6,626	2,350	280,242	202,512	70,636	0	0	7,094

¹ The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.

² The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.

³ The Office of International Cooperation & Development became part of the Foreign Agricultural Service (FAS) in June 1994. Data reported for FAS include funds appropriated to International Cooperation & Development programs within FAS as of fiscal year 1994.

⁴ Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services' submission as of Vol. 45.

⁵ Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The basic research obligations of the six agencies included in this table represent approximately 99 percent of total Federal basic research obligations to universities and colleges in fiscal year 1995.

Data for only those agencies that had obligations in the variables represented by this in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

**Table C-69. Federal obligations for basic research performed at universities and colleges
in physical and environmental sciences, by agency and detailed field of science:
fiscal year 1995**

[Dollars in thousands]

Page 1 of 1

Agency and subdivision	Physical sciences					Environmental sciences				
	Total	Astronomy	Chemistry	Physics	Physical sciences, n.e.c.	Total	Atmospheric	Geological	Oceanography	Environmental sciences, n.e.c.
Total, all agencies	975,889	141,351	312,685	455,444	66,409	577,849	204,968	161,742	106,642	104,497
Departments:										
Department of Agriculture, total	9,577	0	9,577	0	0	1,390	1,310	75	0	5
Agricultural Research Service ¹	0	0	0	0	0	5	0	0	0	5
Cooperative State Research, Education, & Extension Service ²	9,577	0	9,577	0	0	1,121	1,121	0	0	0
Forest Service	0	0	0	0	0	264	189	75	0	0
Department of Defense, total	121,335	5,402	59,936	55,991	6	91,022	24,091	25,520	39,028	2,383
Department of the Army	15,257	0	6,870	8,381	6	6,259	2,830	1,001	45	2,383
Department of the Navy	40,184	2,347	15,904	21,933	0	52,242	9,233	13,490	29,519	0
Department of the Air Force	34,292	2,602	24,211	7,479	0	14,133	5,261	8,872	0	0
Defense Agencies, total	31,602	453	12,951	18,198	0	18,388	6,767	2,157	9,464	0
Ballistic Missile Defense Organization	2,200	0	860	1,340	0	0	0	0	0	0
Washington Headquarters Svcs ³	29,402	453	12,091	16,858	0	18,388	6,767	2,157	9,464	0
Department of Energy	211,327	0	37,308	173,996	23	50,152	27,813	17,551	4,472	316
Dept of Health & Human Svcs, total	70,052	0	62,229	7,823	0	7,112	0	0	0	7,112
National Institutes of Health ⁴	70,052	0	62,229	7,823	0	7,112	0	0	0	7,112
Other agencies										
National Aeronautics & Space Admin	176,757	87,806	5,239	50,396	33,314	138,676	51,056	18,826	12,785	56,009
National Science Foundation	386,841	48,141	138,396	167,238	33,066	289,497	100,698	99,770	50,357	38,672

¹ The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.

² The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.

³ Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services' submission as of Vol. 45.

⁴ Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The basic research obligations of the six agencies included in this table represent approximately 99 percent of total Federal basic research obligations to universities and colleges in fiscal year 1995.

Data for only those agencies that had obligations in the variables represented by this in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development, Fiscal Years 1995, 1996, and 1997

Table C-70. Federal obligations for basic research performed at universities and colleges in engineering, by agency and detailed field of engineering: fiscal year 1995

[Dollars in thousands]

Page 1 of 1

Agency and subdivision	Total	Aero- nautical	Astro- nautical	Chemical	Civil	Elec- trical	Mechan- ical	Metal- lurgy and materials	Engi- neering, n.e.c.
Total, all agencies	788,519	42,438	12,027	39,121	37,119	140,914	119,698	235,736	161,466
Departments:									
Department of Agriculture, total	6,706	0	0	0	0	0	0	0	6,706
Agricultural Research Service ¹	273	0	0	0	0	0	0	0	273
Cooperative State Research, Education, & Extension Service ²	6,196	0	0	0	0	0	0	0	6,196
Forest Service	237	0	0	0	0	0	0	0	237
Department of Defense, total	308,666	15,744	1,575	3,722	4,472	102,464	64,428	79,824	36,437
Department of the Army	26,908	458	0	300	2,964	10,814	4,070	7,582	720
Department of the Navy	63,137	0	0	0	0	21,212	22,040	19,885	0
Department of the Air Force	61,610	8,533	1,575	0	0	13,647	6,406	11,449	20,000
Defense Agencies, total	157,011	6,753	0	3,422	1,508	56,791	31,912	40,908	15,717
Ballistic Missile Defense Organization	800	275	0	0	0	525	0	0	0
Defense Advanced Research Projects Agency ³	15,051	0	0	0	0	2,571	0	8,805	3,675
Washington Headquarters Svcs ⁴	141,160	6,478	0	3,422	1,508	53,695	31,912	32,103	12,042
Department of Energy	36,767	0	0	5,892	69	80	8,399	17,868	4,459
Dept of Health & Human Svcs, total	54,406	0	0	0	0	0	0	0	54,406
National Institutes of Health ⁵	54,406	0	0	0	0	0	0	0	54,406
Other agencies:									
National Aeronautics & Space Admin	72,867	26,694	10,452	2,473	195	4,536	8,071	9,014	11,432
National Science Foundation	309,107	0	0	27,034	32,383	33,834	38,800	129,030	48,026

¹ The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.

² The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.

³ This agency's name changed to the Advanced Research Projects Agency on July 13, 1993, and it was changed back to Defense Advanced Research Projects Agency in February 1996.

⁴ Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services' submission as of Vol. 45.

⁵ Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The basic research obligations of the six agencies included in this table represent approximately 39 percent of total Federal basic research obligations to universities and colleges in fiscal year 1995.

Data for only those agencies that had obligations in the variables represented by this in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development, Fiscal Years 1995, 1996, and 1997

Table C-71. Federal obligations for basic research performed at universities and colleges in mathematics and computer sciences and in social sciences, by agency and detailed field of science: fiscal year 1995

[Dollars in thousands]

Page 1 of 1

Agency and subdivision	Mathematics and computer sciences				Social sciences					
	Total	Mathematics	Computer sciences	Mathematics and computer sciences, n.e.c.	Total	Anthropology	Economics	Political science	Sociology	Social sciences, n.e.c.
Total, all agencies	313,803	131,654	174,363	7,786	112,070	10,786	22,311	6,590	8,343	64,040
Departments:										
Department of Agriculture, total	1,341	165	1,176	0	15,019	0	12,095	0	2,924	0
Agricultural Research Service ¹	1,176	0	1,176	0	0	0	0	0	0	0
Cooperative State Research, Education, & Extension Service ²	0	0	0	0	14,044	0	11,209	0	2,835	0
Economic Research Service	0	0	0	0	318	0	318	0	0	0
Forest Service	165	165	0	0	657	0	568	0	89	0
Department of Defense, total	93,234	34,721	56,569	1,944	0	0	0	0	0	0
Department of the Army	10,064	5,236	4,769	59	0	0	0	0	0	0
Department of the Navy	23,075	12,190	10,885	0	0	0	0	0	0	0
Department of the Air Force	14,226	9,105	3,236	1,885	0	0	0	0	0	0
Defense Agencies, total	45,869	8,190	37,679	0	0	0	0	0	0	0
Defense Advanced Research Projects Agency ³	13,510	0	13,510	0	0	0	0	0	0	0
Washington Headquarters Svcs ⁴	32,359	8,190	24,169	0	0	0	0	0	0	0
Department of Energy	13,272	8,908	4,364	0	0	0	0	0	0	0
Dept of Health & Human Svcs, total	18,135	12,090	6,045	0	36,270	0	0	0	0	36,270
National Institutes of Health ⁵	18,135	12,090	6,045	0	36,270	0	0	0	0	36,270
Other agencies:										
National Aeronautics & Space Admin	23,152	837	17,170	5,145	413	0	0	0	0	413
National Science Foundation	164,669	74,933	89,039	697	60,368	10,786	10,216	6,590	5,419	27,357

¹ The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.

² The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.

³ This agency's name changed to the Advanced Research Projects Agency on July 13, 1993, and it was changed back to Defense Advanced Research Projects Agency in February 1996.

⁴ Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services' submission as of Vol. 45.

⁵ Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The basic research obligations of the six agencies included in this table represent approximately 99 percent of total Federal basic research obligations to universities and colleges in fiscal year 1995.

Data for only those agencies that had obligations in the variables represented by this in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

BEST COPY AVAILABLE

Table C-72. Federal obligations for applied research performed at universities and colleges, by detailed field of science and engineering: fiscal years 1995, 1996, and 1997

[Dollars in thousands]

Page 1 of 1

Field of science and engineering	1995	Preliminary	
		1996	1997
Total, all fields	3,062,754	2,830,312	3,087,270
Life sciences, total	1,954,470	1,858,183	2,072,889
Biological (excluding environmental)	768,806	NA	NA
Environmental biology	63,002	NA	NA
Agricultural	77,255	NA	NA
Medical	968,304	NA	NA
Life sciences, n.e.c.	77,103	NA	NA
Psychology, total	116,979	110,435	128,003
Biological aspects	691	NA	NA
Social aspects	9,445	NA	NA
Psychological sciences, n.e.c.	106,843	NA	NA
Physical sciences, total	217,632	142,230	144,016
Astronomy	26,039	NA	NA
Chemistry	49,650	NA	NA
Physics	134,174	NA	NA
Physical sciences, n.e.c.	7,769	NA	NA
Environmental sciences, total	51,833	43,892	38,357
Atmospheric	10,543	NA	NA
Geological	13,484	NA	NA
Oceanography	6,982	NA	NA
Environmental sciences, n.e.c.	20,824	NA	NA
Mathematics & computer sciences, total	199,808	181,195	177,055
Mathematics	14,189	NA	NA
Computer sciences	176,512	NA	NA
Mathematics & computer sciences, n.e.c.	9,107	NA	NA
Engineering, total	299,869	297,228	302,825
Aeronautical	10,020	NA	NA
Astronautical	6,067	NA	NA
Chemical	30,262	NA	NA
Civil	15,630	NA	NA
Electrical	35,787	NA	NA
Mechanical	21,911	NA	NA
Metallurgy & materials	59,616	NA	NA
Engineering, n.e.c.	120,576	NA	NA
Social sciences, total	92,418	80,485	89,908
Anthropology	726	NA	NA
Economics	37,515	NA	NA
Political science	713	NA	NA
Sociology	7,962	NA	NA
Social sciences, n.e.c.	45,502	NA	NA
Other sciences, n.e.c.	129,745	116,664	134,217

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services, the National Aeronautics and Space Administration, and the National Science Foundation. The applied research obligations of the six agencies included in this table represent approximately 90 percent of total Federal applied research obligations to universities and colleges in fiscal years 1995, 1996, and 1997.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: NA = Not applicable (indicates that the data collected for this table were not recorded at that level in that particular fiscal year)
n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development, Fiscal Years 1995, 1996, and 1997

Table C-73. Federal obligations for applied research performed at universities and colleges, by agency and field of science and engineering: fiscal year 1995

[Dollars in thousands]

Page 1 of 1

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Total, all agencies	3,062,754	1,954,470	116,979	217,632	51,833	199,808	299,869	92,418	129,745
Departments:									
Department of Agriculture, total	237,983	165,207	0	15,255	3,047	1,230	16,009	37,235	0
Agricultural Marketing Service	481	481	0	0	0	0	0	0	0
Agricultural Research Service ¹	9,995	8,971	0	0	4	828	192	0	0
Cooperative State Research, Education, & Extension Service ²	210,475	144,494	0	15,255	1,893	0	15,445	33,388	0
Economic Research Service	2,865	0	0	0	0	0	0	2,865	0
Foreign Agricultural Service ³	28	28	0	0	0	0	0	0	0
Forest Service	13,989	11,233	0	0	1,150	257	372	977	0
Natl Agricultural Statistics Svc	145	0	0	0	0	145	0	0	0
Rural Business-Cooperative Svc ⁴	5	0	0	0	0	0	0	5	0
Department of Defense, total	349,195	34,184	6,573	18,688	21,778	164,391	101,108	86	2,387
Department of the Army	24,066	7,242	634	1,120	3,280	1,836	9,020	86	848
Department of the Navy	37,643	1,099	1,111	10,009	1,302	1,299	22,503	0	320
Department of the Air Force	31,533	697	4,828	3,726	0	1,864	20,418	0	0
Defense Agencies, total	255,953	25,146	0	3,833	17,196	159,392	49,167	0	1,219
Ballistic Missile Defense Organization	10,268	0	0	2,688	966	3,340	3,274	0	0
Defense Advanced Research Projects Agency ⁵	198,162	0	0	1,085	1,003	153,246	42,825	0	3
Defense Nuclear Agency	4,638	0	0	60	3,000	0	362	0	1,216
Washington Headquarters Svcs ⁶	42,885	25,146	0	0	12,227	2,806	2,706	0	0
Department of Energy	188,750	26,454	0	105,517	7,997	0	44,671	0	4,111
Dept of Health & Human Svcs, total	2,044,197	1,704,929	106,110	21,371	6,739	18,800	25,607	46,511	114,130
Administration on Aging	1,500	0	0	0	0	0	0	1,500	0
Admin for Children & Families	9,856	0	0	0	0	0	0	9,856	0
Agcy for Hlth Care Policy & Rsch	50,138	37,447	409	0	0	2,820	0	6,617	2,845
Centers for Disease Control & Prevention	31,700	31,700	0	0	0	0	0	0	0
Food & Drug Administration	9,856	9,856	0	0	0	0	0	0	0
Health Care Financing Admin	5,838	5,838	0	0	0	0	0	0	0
Health Resources & Services Admin	7,229	7,229	0	0	0	0	0	0	0
National Institutes of Health ⁷	1,925,342	1,612,859	105,701	21,371	6,739	15,980	25,607	25,800	111,285
Office of the Secretary	1,499	0	0	0	0	0	0	1,499	0
Social Security Administration ⁸	1,239	0	0	0	0	0	0	1,239	0
Other agencies:									
National Aeronautics & Space Admin	107,421	10,018	2,252	43,808	9,176	6,261	30,972	0	4,934
National Science Foundation	135,208	13,678	2,044	12,993	3,096	9,126	81,502	8,586	4,183

¹ The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.

² The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.

³ The Office of International Cooperation & Development became part of the Foreign Agricultural Service (FAS) in June 1994. Data reported for FAS include funds appropriated to International Cooperation & Development programs within FAS as of fiscal year 1994.

⁴ This agency's name changed from the Rural Business & Cooperative Development Service to the Rural Business-Cooperative Service on Jan 30, 1996.

⁵ This agency's name changed to the Advanced Research Projects Agency on July 13, 1993, and it was changed back to Defense Advanced Research Projects Agency in February 1996.

⁶ Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services' submission as of Vol. 45.

⁷ Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.

⁸ As of Mar. 31, 1995, the Social Security Administration became an independent agency; it is no longer part of the Department of Health & Human Services.

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The applied research obligations of the six agencies included in this table represent approximately 90 percent of total Federal applied research obligations to universities and colleges in fiscal year 1995.

Data for only those agencies that had obligations in the variables represented by this in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

Table C-74. Preliminary Federal obligations for applied research performed at universities and colleges, by agency and field of science and engineering: fiscal year 1996

[Dollars in thousands]

Page 1 of 1

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Total, all agencies	2,830,312	1,858,183	110,435	142,230	43,892	181,195	297,228	80,485	116,664
Departments:									
Department of Agriculture, total	230,973	161,211	0	14,761	3,220	1,218	15,494	35,069	0
Agricultural Research Service ¹	10,518	9,441	0	0	4	871	202	0	0
Cooperative State Research, Education, & Extension Service ²	204,417	140,517	0	14,761	1,821	0	14,920	32,398	0
Economic Research Service	1,694	0	0	0	0	0	0	1,694	0
Foreign Agricultural Service ³	266	266	0	0	0	0	0	0	0
Forest Service	13,988	10,987	0	0	1,395	257	372	977	0
Natl Agricultural Statistics Svc	90	0	0	0	0	90	0	0	0
Department of Defense, total	367,004	57,942	6,642	20,627	14,043	148,385	117,877	38	1,450
Department of the Army	18,795	10,232	715	535	1,027	1,186	4,595	38	467
Department of the Navy	45,468	1,328	1,341	12,090	1,573	1,569	27,181	0	386
Department of the Air Force	34,820	815	4,586	3,543	1,271	1,345	23,260	0	0
Defense Agencies, total	267,921	45,567	0	4,459	10,172	144,285	62,841	0	597
Ballistic Missile Defense Organization	13,286	0	0	3,550	0	3,240	6,496	0	0
Defense Advanced Research Projects Agency ⁴	182,297	0	0	897	787	132,736	47,632	0	245
Defense Nuclear Agency	768	0	0	12	0	0	404	0	352
Washington Headquarters Svcs ⁵	71,570	45,567	0	0	9,385	8,309	8,309	0	0
Department of Energy	93,837	28,210	0	27,428	7,931	0	30,018	0	250
Dept of Health & Human Svcs, total	1,896,731	1,587,914	99,444	20,106	6,340	16,361	24,091	36,451	106,024
Admin for Children & Families	7,304	0	0	0	0	0	0	7,304	0
Agcy for Hlth Care Policy & Rsch	22,115	16,586	0	0	0	1,327	0	2,875	1,327
Centers for Disease Control & Prevention	31,700	31,700	0	0	0	0	0	0	0
Food & Drug Administration	9,856	9,856	0	0	0	0	0	0	0
Health Care Financing Admin	5,200	5,200	0	0	0	0	0	0	0
Health Resources & Services Admin	7,197	7,197	0	0	0	0	0	0	0
National Institutes of Health ⁶	1,811,359	1,517,375	99,444	20,106	6,340	15,034	24,091	24,272	104,697
Office of the Secretary	2,000	0	0	0	0	0	0	2,000	0
Other agencies:									
National Aeronautics & Space Admin	107,421	10,018	2,252	43,808	9,176	6,261	30,972	0	4,934
National Science Foundation	134,346	12,888	2,097	15,500	3,182	8,970	78,776	8,927	4,006

¹ The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.

² The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.

³ The Office of International Cooperation & Development became part of the Foreign Agricultural Service (FAS) in June 1994. Data reported for FAS include funds appropriated to International Cooperation & Development programs within FAS as of fiscal year 1994.

⁴ This agency's name changed to the Advanced Research Projects Agency on July 13, 1993, and it was changed back to Defense Advanced Research Projects Agency in February 1996.

⁵ Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services' submission as of Vol. 45.

⁶ Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The applied research obligations of the six agencies included in this table represent approximately 89 percent of total Federal applied research obligations to universities and colleges in fiscal year 1996.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

Table C-75. Preliminary Federal obligations for applied research performed at universities and colleges, by agency and field of science and engineering: fiscal year 1997

[Dollars in thousands]

Page 1 of 1

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Total, all agencies	3,087,270	2,072,889	128,003	144,016	38,357	177,055	302,825	89,908	134,217
Departments:									
Department of Agriculture, total	217,927	156,127	0	13,442	2,747	1,218	13,717	30,676	0
Agricultural Research Service ¹	10,518	9,441	0	0	4	871	202	0	0
Cooperative State Research, Education, & Extension Service ²	191,371	135,433	0	13,442	1,348	0	13,143	28,005	0
Economic Research Service	1,694	0	0	0	0	0	0	1,694	0
Foreign Agricultural Service ³	266	266	0	0	0	0	0	0	0
Forest Service	13,988	10,987	0	0	1,395	257	372	977	0
Nat'l Agricultural Statistics Svc	90	0	0	0	0	90	0	0	0
Department of Defense, total	320,953	36,915	6,791	19,513	8,650	141,954	106,639	49	442
Department of the Army	18,460	9,136	698	833	887	1,820	5,037	49	0
Department of the Navy	37,358	1,091	1,102	9,934	1,292	1,289	22,333	0	317
Department of the Air Force	32,913	152	4,991	3,405	0	1,417	22,948	0	0
Defense Agencies, total	232,222	26,536	0	5,341	6,471	137,428	56,321	0	125
Ballistic Missile Defense Organization	13,663	0	0	4,120	0	2,305	7,238	0	0
Defense Advanced Research Projects Agency ⁴	177,400	0	0	1,068	0	131,388	44,944	0	0
Defense Nuclear Agency	682	0	0	153	0	0	404	0	125
Washington Headquarters Svcs ⁵	40,477	26,536	0	0	6,471	3,735	3,735	0	0
Department of Energy	93,092	17,577	0	27,212	6,931	0	41,141	0	231
Dept of Health & Human Svcs, total	2,204,026	1,838,340	115,538	23,360	7,366	19,077	27,990	49,105	123,250
Admin for Children & Families	15,419	0	0	0	0	0	0	15,419	0
Agcy for Hlth Care Policy & Rsch	26,811	20,108	0	0	0	1,609	0	3,485	1,609
Centers for Disease Control & Prevention	31,700	31,700	0	0	0	0	0	0	0
Food & Drug Administration	9,856	9,856	0	0	0	0	0	0	0
Health Care Financing Admin	6,605	6,605	0	0	0	0	0	0	0
Health Resources & Services Admin	7,116	7,116	0	0	0	0	0	0	0
National Institutes of Health ⁶	2,104,519	1,762,955	115,538	23,360	7,366	17,468	27,990	28,201	121,641
Office of the Secretary	2,000	0	0	0	0	0	0	2,000	0
Other agencies:									
National Aeronautics & Space Admin	107,421	10,018	2,252	43,808	9,176	6,261	30,972	0	4,934
National Science Foundation	143,851	13,912	3,422	16,681	3,487	8,545	82,366	10,078	5,360

¹ The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.

² The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.

³ The Office of International Cooperation & Development became part of the Foreign Agricultural Service (FAS) in June 1994. Data reported for FAS include funds appropriated to International Cooperation & Development programs within FAS as of fiscal year 1994.

⁴ This agency's name changed to the Advanced Research Projects Agency on July 13, 1993, and it was changed back to Defense Advanced Research Projects Agency in February 1996.

⁵ Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services' submission as of Vol. 45.

⁶ Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The applied research obligations of the six agencies included in this table represent approximately 90 percent of total Federal applied research obligations to universities and colleges in fiscal year 1997.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

Table C-76. Federal obligations for applied research performed at universities and colleges in psychology and life sciences, by agency and detailed field of science: fiscal year 1995

[Dollars in thousands]

Page 1 of 1

Agency and subdivision	Psychology				Life sciences					
	Total	Bio-logical aspects	Social aspects	Psycho-logical sciences, n.e.c.	Total	Bio-logical	Environ-mental biology	Agri-cultural	Medical	Life sciences, n.e.c.
Total, all agencies	116,979	691	9,445	106,843	1,954,470	768,806	63,002	77,255	968,304	77,103
Departments:										
Department of Agriculture, total	0	0	0	0	165,207	37,535	46,838	76,281	4,548	5
Agricultural Marketing Service	0	0	0	0	481	0	0	481	0	0
Agricultural Research Service ¹	0	0	0	0	8,971	2,227	320	6,419	0	5
Cooperative State Research, Education, & Extension Service ²	0	0	0	0	144,494	29,141	41,452	69,353	4,548	0
Foreign Agricultural Service ³	0	0	0	0	28	0	0	28	0	0
Forest Service	0	0	0	0	11,233	6,167	5,066	0	0	0
Department of Defense, total	6,573	170	6,403	0	34,184	1,350	258	0	6,930	25,646
Department of the Army	634	0	634	0	7,242	880	0	0	6,362	0
Department of the Navy	1,111	170	941	0	1,099	470	128	0	501	0
Department of the Air Force	4,828	0	4,828	0	697	0	130	0	0	567
Defense Agencies, total	0	0	0	0	25,146	0	0	0	67	25,079
Washington Headquarters Svcs ⁴	0	0	0	0	25,146	0	0	0	67	25,079
Department of Energy	0	0	0	0	26,454	532	25	0	25,124	773
Dept of Health & Human Svcs, total	106,110	21	25	106,064	1,704,929	718,959	8,857	0	929,372	47,741
Agcy for Hlth Care Policy & Rsch	409	21	25	363	37,447	0	0	0	33,473	3,974
Centers for Disease Control & Prevention	0	0	0	0	31,700	0	0	0	31,700	0
Food & Drug Administration	0	0	0	0	9,856	9,856	0	0	0	0
Health Care Financing Admin	0	0	0	0	5,838	0	0	0	0	5,838
Health Resources & Services Admin	0	0	0	0	7,229	0	0	0	7,229	0
National Institutes of Health ⁵	105,701	0	0	105,701	1,612,859	709,103	8,857	0	856,970	37,929
Other agencies:										
National Aeronautics & Space Admin	2,252	0	2,177	75	10,018	5,895	39	974	2,330	780
National Science Foundation	2,044	500	840	704	13,678	4,535	6,985	0	0	2,158

¹ The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.

² The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.

³ The Office of International Cooperation & Development became part of the Foreign Agricultural Service (FAS) in June 1994. Data reported for FAS include funds appropriated to International Cooperation & Development programs within FAS as of fiscal year 1994.

⁴ Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services' submission as of Vol. 45.

⁵ Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The applied research obligations of the six agencies included in this table represent approximately 90 percent of total Federal applied research obligations to universities and colleges in fiscal year 1995.

Data for only those agencies that had obligations in the variables represented by this in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

Table C-77. Federal obligations for applied research performed at universities and colleges in physical and environmental sciences, by agency and detailed field of science: fiscal year 1995

[Dollars in thousands]

Page 1 of 1

Agency and subdivision	Physical sciences					Environmental sciences				
	Total	Astronomy	Chemistry	Physics	Physical sciences, n.e.c.	Total	Atmospheric	Geological	Oceanography	Environmental sciences, n.e.c.
Total, all agencies	217,632	26,039	49,650	134,174	7,769	51,833	10,543	13,484	6,982	20,824
Departments										
Department of Agriculture, total	15,255	0	15,255	0	0	3,047	2,188	855	0	4
Agricultural Research Service ¹	0	0	0	0	0	4	.0	0	0	4
Cooperative State Research, Education, & Extension Service ²	15,255	0	15,255	0	0	1,893	1,893	0	0	0
Forest Service	0	0	0	0	0	1,150	295	855	0	0
Department of Defense, total	18,688	0	3,021	14,668	979	21,778	3,117	4,107	6,183	8,371
Department of the Army	1,120	0	1,003	117	0	3,280	750	65	39	2,426
Department of the Navy	10,009	0	930	8,857	222	1,302	245	117	940	0
Department of the Air Force	3,726	0	0	3,726	0	0	0	0	0	0
Defense Agencies, total	3,833	0	1,088	1,988	757	17,196	2,122	3,925	5,204	5,945
Ballistic Missile Defense Organization	2,688	0	1,088	1,100	500	966	966	0	0	0
Defense Advanced Research Projects Agency ³	1,085	0	0	888	197	1,003	0	1,003	0	0
Defense Nuclear Agency	60	0	0	0	60	3,000	0	0	0	3,000
Washington Headquarters Svcs ⁴	0	0	0	0	0	12,227	1,156	2,922	5,204	2,945
Department of Energy	105,517	0	5,736	97,148	2,633	7,997	221	6,502	0	1,274
Dept of Health & Human Svcs, total	21,371	0	18,483	2,888	0	6,739	0	0	0	6,739
National Institutes of Health ⁵	21,371	0	18,483	2,888	0	6,739	0	0	0	6,739
Other agencies										
National Aeronautics & Space Admin	43,808	26,029	591	15,936	1,252	9,176	4,989	171	131	3,885
National Science Foundation	12,993	10	6,564	3,514	2,905	3,096	28	1,849	668	551

¹ The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.

² The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.

³ This agency's name changed to the Advanced Research Projects Agency on July 13, 1993, and it was changed back to Defense Advanced Research Projects Agency in February 1996.

⁴ Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services' submission as of Vol. 45.

⁵ Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The applied research obligations of the six agencies included in this table represent approximately 90 percent of total Federal applied research obligations to universities and colleges in fiscal year 1995.

Data for only those agencies that had obligations in the variables represented by this in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

Table C-78. Federal obligations for applied research performed at universities and colleges in engineering, by agency and detailed field of engineering: fiscal year 1995

[Dollars in thousands]

Page 1 of 1

Agency and subdivision	Total	Aero- nautical	Astro- nautical	Chemical	Civil	Elec- trical	Mechan- ical	Metal- lurgy and materials	Engi- neering, n.e.c.
Total: all agencies	299,869	10,020	6,067	30,262	15,630	35,787	21,911	59,616	120,576
Departments:									
Department of Agriculture, total	16,009	0	0	0	0	0	0	0	16,009
Agricultural Research Service ¹	192	0	0	0	0	0	0	0	192
Cooperative State Research, Education, & Extension Service ²	15,445	0	0	0	0	0	0	0	15,445
Forest Service	372	0	0	0	0	0	0	0	372
Department of Defense, total	101,108	5,134	4,982	1,079	5,688	19,953	7,668	33,428	23,176
Department of the Army	9,020	291	12	296	4,167	1,854	966	543	891
Department of the Navy	22,503	561	3,527	561	1,043	8,059	4,788	3,813	151
Department of the Air Force	20,418	4,282	1,193	0	478	3,529	1,814	9,122	0
Defense Agencies, total	49,167	0	250	222	0	6,511	100	19,950	22,134
Ballistic Missile Defense Organization	3,274	0	250	222	0	1,631	43	1,128	0
Defense Advanced Research Projects Agency ³	42,825	0	0	0	0	4,575	0	18,822	19,428
Defense Nuclear Agency	362	0	0	0	0	305	57	0	0
Washington Headquarters Svcs ⁴	2,706	0	0	0	0	0	0	0	2,706
Department of Energy	44,671	0	0	13,952	4,368	2,948	64	395	22,944
Dept of Health & Human Svcs, total	25,607	0	0	0	0	0	0	0	25,607
National Institutes of Health ⁵	25,607	0	0	0	0	0	0	0	25,607
Other agencies:									
National Aeronautics & Space Admin	30,972	4,886	1,085	497	1,040	2,953	1,974	10,251	8,286
National Science Foundation	81,502	0	0	14,734	4,534	9,933	12,205	15,542	24,554

¹ The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.

² The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.

³ This agency's name changed to the Advanced Research Projects Agency on July 13, 1993, and it was changed back to Defense Advanced Research Projects Agency in February 1996.

⁴ Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services' submission as of Vol. 45.

⁵ Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The applied research obligations of the six agencies included in this table represent approximately 90 percent of total Federal applied research obligations to universities and colleges in fiscal year 1995.

Data for only those agencies that had obligations in the variables represented by this in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

Table C-79. Federal obligations for applied research performed at universities and colleges in mathematics and computer sciences and in social sciences, by agency and detailed field of science: fiscal year 1995

[Dollars in thousands]

Page 1 of 1

Agency and subdivision	Mathematics and computer sciences				Social sciences					
	Total	Mathematics	Computer sciences	Mathematics and computer sciences, n.e.c.	Total	Anthropology	Economics	Political science	Sociology	Social sciences, n.e.c.
Total, all agencies	199,808	14,189	176,512	9,107	92,418	726	37,515	713	7,962	45,502
Departments										
Department of Agriculture, total	1,230	402	828	0	37,235	0	32,545	0	4,690	0
Agricultural Research Service ¹	828	0	828	0	0	0	0	0	0	0
Cooperative State Research, Education, & Extension Service ²	0	0	0	0	33,388	0	28,838	0	4,550	0
Economic Research Service	0	0	0	0	2,865	0	2,865	0	0	0
Forest Service	257	257	0	0	977	0	837	0	140	0
Natl Agricultural Statistics Svc	145	145	0	0	0	0	0	0	0	0
Rural Business-Cooperative Svc ³	0	0	0	0	5	0	5	0	0	0
Department of Defense, total	164,391	4,250	155,904	4,237	86	0	52	0	34	0
Department of the Army	1,836	75	840	921	86	0	52	0	34	0
Department of the Navy	1,299	38	1,193	68	0	0	0	0	0	0
Department of the Air Force	1,864	703	916	245	0	0	0	0	0	0
Defense Agencies, total	159,392	3,434	152,955	3,003	0	0	0	0	0	0
Ballistic Missile Defense Organization	3,340	250	3,090	0	0	0	0	0	0	0
Defense Advanced Research Projects Agency ⁴	153,246	3,184	149,865	197	0	0	0	0	0	0
Washington Headquarters Svcs ⁵	2,806	0	0	2,806	0	0	0	0	0	0
Dept of Health & Human Svcs, total	18,800	8,022	10,778	0	46,511	0	3,119	108	1,915	41,369
Administration on Aging	0	0	0	0	1,500	0	0	0	0	1,500
Admin for Children & Families	0	0	0	0	9,856	0	0	0	0	9,856
Agcy for Hlth Care Policy & Rsch	2,820	128	2,692	0	6,617	0	3,119	108	1,915	1,475
National Institutes of Health ⁶	15,980	7,894	8,086	0	25,800	0	0	0	0	25,800
Office of the Secretary	0	0	0	0	1,499	0	0	0	0	1,499
Social Security Administration ⁷	0	0	0	0	1,239	0	0	0	0	1,239
Other agencies:										
National Aeronautics & Space Admin	6,251	80	5,061	1,120	0	0	0	0	0	0
National Science Foundation	9,126	1,435	3,941	3,750	8,586	726	1,799	605	1,323	4,133

¹ The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.

² The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.

³ This agency's name changed from the Rural Business & Cooperative Development Service to the Rural Business-Cooperative Service on Jan. 30, 1996.

⁴ This agency's name changed to the Advanced Research Projects Agency on July 13, 1993, and it was changed back to Defense Advanced Research Projects Agency in February 1996.

⁵ Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services' submission as of Vol. 45.

⁶ Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.

⁷ As of Mar. 31, 1995, the Social Security Administration became an independent agency; it is no longer part of the Department of Health & Human Services.

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The applied research obligations of the six agencies included in this table represent approximately 90 percent of total Federal applied research obligations to universities and colleges in fiscal year 1995.

Data for only those agencies that had obligations in the variables represented by this in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

**Table C-80. Federal obligations for research and development
and for R&D plant, by State: fiscal year 1995**

[Dollars in thousands]

Page 1 of 1

State	Research, development, and R&D plant	Research and development	R&D plant
Total	69,462,377	67,246,794	2,215,583
Alabama	2,060,343	2,016,252	44,091
Alaska	98,276	96,915	1,361
Arizona	957,765	915,087	42,678
Arkansas	101,646	97,724	3,922
California	13,118,364	12,703,572	414,792
Colorado	996,292	965,060	31,232
Connecticut	907,512	902,334	5,178
Delaware	58,266	56,381	1,885
District of Columbia	2,808,135	2,805,093	3,042
Florida	2,445,404	2,403,899	41,505
Georgia	4,378,130	4,365,770	12,360
Hawaii	480,926	480,428	498
Idaho	219,934	211,063	8,871
Illinois	1,306,340	1,116,137	190,203
Indiana	430,975	426,192	4,783
Iowa	229,813	214,316	15,497
Kansas	122,035	120,846	1,189
Kentucky	80,384	75,670	4,714
Louisiana	197,805	176,253	21,552
Maine	55,211	54,476	735
Maryland	7,429,547	7,039,183	390,364
Massachusetts	3,362,634	3,339,532	23,102
Michigan	692,991	688,376	4,615
Minnesota	576,206	571,128	5,078
Mississippi	249,341	212,739	36,602
Missouri	1,617,886	1,613,322	4,564
Montana	69,741	64,821	4,920
Nebraska	89,079	86,762	2,317
Nevada	411,029	372,570	38,459
New Hampshire	213,666	213,647	19
New Jersey	1,361,234	1,325,902	35,332
New Mexico	2,120,842	1,987,076	133,766
New York	2,740,477	2,581,383	159,094
North Carolina	851,218	825,433	25,785
North Dakota	52,172	47,313	4,859
Ohio	1,958,963	1,811,413	147,550
Oklahoma	162,195	159,395	2,800
Oregon	282,414	277,229	5,185
Pennsylvania	2,449,664	2,414,250	35,414
Rhode Island	522,767	515,425	7,342
South Carolina	180,679	177,962	2,717
South Dakota	30,818	26,492	4,326
Tennessee	619,023	581,956	37,067
Texas	4,146,514	4,062,175	84,339
Utah	376,460	371,208	5,252
Vermont	53,599	53,590	9
Virginia	3,684,222	3,603,023	81,199
Washington	1,192,069	1,127,750	64,319
West Virginia	301,771	296,347	5,424
Wisconsin	356,662	347,089	9,573
Wyoming	36,639	35,151	1,488
Outlying areas	167,016	165,665	1,351
Puerto Rico	46,930	46,657	273
Other areas	120,086	119,008	1,078
Offices abroad	49,283	48,019	1,264

NOTE: Only the following 10 agencies are required to report to this section of the survey: the Departments of Agriculture, Commerce, Defense, Energy, Interior, Transportation, and Health and Human Services; the Environmental Protection Agency; the National Aeronautics and Space Administration; and the National Science Foundation. The obligations of the 10 major R&D supporting agencies included in this table represent approximately 98 percent of total Federal R&D and R&D plant obligations in fiscal year 1995.

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

Table C-81. Federal obligations for research and development, by State and performer: fiscal year 1995

[Dollars in thousands]

Page 1 of 1

State (in order of total Federal research & development obligations)	Total	Intramural ¹	Extramural						
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other non-profit institutions	FFRDCs admin by nonprofit institutions	State and local govts
Total	67,246,794	16,685,761	30,417,960	1,172,983	11,766,377	3,556,732	2,561,194	805,107	280,680
California	12,703,572	1,843,729	6,685,458	21,790	1,666,792	1,847,456	361,960	245,360	31,027
Maryland	7,039,183	4,158,824	1,956,488	141,701	654,050	0	123,499	1,564	3,057
Georgia	4,365,770	272,178	3,849,787	0	232,133	0	7,766	0	3,906
Texas	4,062,175	537,508	2,701,709	0	649,159	0	163,001	860	9,938
Virginia	3,603,023	1,580,530	1,534,313	0	206,554	59,031	41,651	177,472	3,472
Massachusetts	3,339,532	315,749	1,337,516	0	767,355	160,583	587,363	158,589	12,377
District of Columbia	2,805,093	2,106,077	381,390	0	147,605	0	168,518	0	1,503
New York	2,581,383	117,250	947,675	0	1,026,807	203,873	202,749	0	83,029
Pennsylvania	2,414,250	227,520	1,251,691	0	717,636	21,980	189,379	0	6,044
Florida	2,403,899	554,440	1,573,440	0	262,972	0	8,165	0	4,882
Alabama	2,016,252	642,257	1,159,369	0	194,411	0	17,882	0	2,333
New Mexico	1,987,076	481,047	226,496	635,692	92,493	534,882	6,218	7,417	2,831
Ohio	1,811,413	599,044	810,049	0	326,720	0	71,914	0	3,686
Missouri	1,613,322	55,445	1,303,721	0	232,766	0	17,723	0	3,66
New Jersey	1,325,902	343,667	630,884	0	215,220	115,284	11,332	4,130	5,38
Washington	1,127,750	159,837	329,654	0	330,375	0	95,900	204,972	7,012
Illinois	1,116,137	80,626	133,876	0	434,009	421,040	41,416	0	5,170
Colorado	965,060	167,869	434,627	0	227,195	79,483	46,418	4,743	4,725
Arizona	915,087	177,935	528,327	0	170,299	29,099	6,198	0	3,229
Connecticut	902,334	17,690	635,941	0	234,126	0	9,737	0	4,840
North Carolina	825,433	220,179	99,913	0	440,465	0	59,002	0	5,874
Michigan	688,376	82,008	155,055	0	397,365	0	49,778	0	4,170
Tennessee	581,956	62,100	34,700	278,132	167,951	16,940	19,875	0	2,258
Minnesota	571,128	30,139	254,153	0	195,912	0	84,775	0	6,149
Rhode Island	515,425	254,302	179,292	0	62,738	0	16,767	0	2,326
Hawaii	480,428	401,963	11,179	0	51,060	0	14,520	0	1,706
Indiana	426,192	62,061	183,529	0	173,978	0	3,596	0	3,028
Nevada	372,570	34,669	313,505	0	22,107	0	1,457	0	832
Utah	371,208	131,138	98,522	0	128,347	0	7,730	0	5,471
Wisconsin	347,089	40,344	35,934	0	260,374	0	6,720	0	3,717
West Virginia	296,347	139,595	83,116	0	35,132	29,597	5,999	0	2,908
Oregon	277,229	55,959	39,176	0	144,181	0	33,120	0	4,793
Iowa	214,316	37,257	12,623	0	130,285	29,815	1,054	0	3,282
New Hampshire	213,647	30,902	121,212	0	59,179	0	1,722	0	632
Mississippi	212,739	132,616	26,162	0	49,283	0	3,305	0	1,373
Idaho	211,063	27,792	101,893	65,810	13,536	0	548	0	1,484
South Carolina	177,962	34,441	41,168	29,858	65,741	0	2,732	0	4,022
Louisiana	176,253	45,108	22,035	0	103,764	0	1,863	0	3,483
Oklahoma	159,395	45,104	55,518	0	47,519	0	9,289	0	1,965
Kansas	120,846	12,296	42,764	0	62,934	0	910	0	1,942
Arkansas	97,724	57,563	3,016	0	32,766	0	3,138	0	1,241
Alaska	96,915	60,545	8,729	0	24,411	0	635	0	2,595
Nebraska	86,762	23,132	4,011	0	52,549	0	5,754	0	1,316
Kentucky	75,670	5,911	5,008	0	61,993	0	1,102	0	1,656
Montana	64,821	33,553	6,346	0	21,239	0	1,677	0	2,006
Delaware	56,381	15,477	15,449	0	21,934	0	2,994	0	527
Maine	54,476	4,238	9,089	0	15,841	0	23,310	0	1,998
Vermont	53,590	4,702	13,358	0	33,514	0	1,413	0	603
North Dakota	47,313	25,042	539	0	20,054	0	947	0	731
Wyoming	35,151	8,669	223	0	12,680	0	12,628	0	951
South Dakota	26,492	13,428	2,737	0	8,392	0	847	0	1,088
Outlying areas	165,665	96,041	684	0	59,266	7,669	186	0	1,819
Puerto Rico	46,657	7,163	0	0	29,999	7,669	186	0	1,640
Other areas	119,008	88,878	684	0	29,267	0	0	0	179
Offices abroad	48,019	18,265	24,911	0	1,210	0	3,012	0	621

¹ Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

NOTE: Only the following 10 agencies are required to report to this section of the survey: the Departments of Agriculture, Commerce, Defense, Energy, Interior, Transportation, and Health and Human Services; the Environmental Protection Agency; the National Aeronautics and Space Administration; and the National Science Foundation. The obligations of the 10 major R&D supporting agencies included in this table represent approximately 98 percent of total Federal R&D obligations in fiscal year 1995.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

Table C-81a. Percentage distribution of Federal obligations for research and development to each performer, by State: fiscal year 1995

Page 1 of 1

State (in order of total Federal research & development obligations)	Total	Intra-mural ¹	Extramural						
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other non-profit institutions	FFRDCs admin by nonprofit institutions	State and local govts
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
California	18.9	11.0	22.0	1.9	14.2	51.9	14.1	30.5	11.1
Maryland	10.5	24.9	6.4	12.1	5.6	0	4.8	2	1.1
Georgia	6.5	1.6	12.7	0	2.0	0	3	0	1.4
Texas	6.0	3.2	8.9	0	5.5	0	6.4	1	3.5
Virginia	5.4	9.5	5.0	0	1.8	1.7	1.6	22.0	1.2
Massachusetts	5.0	1.9	4.4	0	6.5	4.5	22.9	19.7	4.4
District of Columbia	4.2	12.6	1.3	0	1.3	0	6.6	0	5
New York	3.8	7	3.1	0	8.7	5.7	7.9	0	29.6
Pennsylvania	3.6	1.4	4.1	0	6.1	6	7.4	0	2.2
Florida	3.6	3.3	5.2	0	2.2	0	3	0	1.7
Alabama	3.0	3.8	3.8	0	1.7	0	7	0	8
New Mexico	3.0	2.9	7	54.2	8	15.0	2	9	1.0
Ohio	2.7	3.6	2.7	0	2.8	0	2.8	0	1.3
Missouri	2.4	3	4.3	0	2.0	0	7	0	1.3
New Jersey	2.0	2.1	2.1	0	1.8	3.2	4	5	1.9
Washington	1.7	1.0	1.1	0	2.8	0	3.7	25.5	2.5
Illinois	1.7	5	4	0	3.7	11.8	1.6	0	1.8
Colorado	1.4	1.0	1.4	0	1.9	2.2	1.8	6	1.7
Arizona	1.4	1.1	1.7	0	1.4	8	2	0	1.2
Connecticut	1.3	1	2.1	0	2.0	0	4	0	1.7
North Carolina	1.2	1.3	3	0	3.7	0	2.3	0	2.1
Michigan	1.0	5	5	0	3.4	0	1.9	0	1.5
Tennessee	.9	4	1	23.7	1.4	5	8	0	8
Minnesota	.8	2	8	0	1.7	0	3.3	0	2.2
Rhode Island	.8	1.5	5	0	5	0	7	0	8
Hawaii	.7	2.4	*	0	4	0	6	0	6
Indiana	.6	4	6	0	1.5	0	1	0	1.1
Nevada	.6	2	1.0	0	2	0	1	0	3
Utah	.6	8	3	0	1.1	0	3	0	1.9
Wisconsin	.5	2	1	0	2.2	0	3	0	1.3
West Virginia	.4	8	3	0	3	8	2	0	1.0
Oregon	.4	3	1	0	1.2	0	1.3	0	1.7
Iowa	.3	2	*	0	1.1	8	0	0	1.2
New Hampshire	.3	2	4	0	5	0	1	0	2
Mississippi	.3	8	1	0	4	0	1	0	5
Idaho	.3	2	3	5.6	1	0	*	0	5
South Carolina	.3	2	1	2.5	6	0	1	0	1.4
Louisiana	.3	3	1	0	9	0	1	0	1.2
Oklahoma	.2	3	2	0	4	0	4	0	7
Kansas	.2	1	1	0	5	0	*	0	7
Arkansas	.1	3	*	0	3	0	1	0	4
Alaska	.1	4	*	0	2	0	*	0	9
Nebraska	.1	1	*	0	4	0	2	0	5
Kentucky	.1	*	*	0	5	0	*	0	6
Montana	.1	2	*	0	2	0	1	0	7
Delaware	.1	1	1	0	2	0	1	0	2
Maine	.1	*	*	0	1	0	9	0	7
Vermont	.1	*	*	0	3	0	1	0	2
North Dakota	.1	2	*	0	2	0	*	0	3
Wyoming	.1	1	*	0	1	0	5	0	3
South Dakota	*	1	*	0	1	0	*	0	4
Outlying areas	.2	6	*	0	5	2	*	0	6
Puerto Rico	.1	*	0	0	3	0	*	0	6
Other areas	.2	5	*	0	2	0	0	0	1
Offices abroad	.1	1	1	0	*	0	1	0	2

¹ Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

NOTE: Only the following 10 agencies are required to report to this section of the survey: the Departments of Agriculture, Commerce, Defense, Energy, Interior, Transportation, and Health and Human Services; the Environmental Protection Agency; the National Aeronautics and Space Administration; and the National Science Foundation. The obligations of the 10 major R&D supporting agencies included in this table represent approximately 98 percent of total Federal R&D obligations in fiscal year 1995.

KEY: * = Percentage less than .05%
FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development, Fiscal Years 1995, 1996, and 1997

Table C-81b. Percentage distribution of Federal obligations for research and development to each State, by performer: fiscal year 1995

Page 1 of 1

State (in order of total Federal research & development obligations)	Total	Intra-mural ¹	Extramural						
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other non-profit institutions	FFRDCs admin by nonprofit institutions	State and local govts
Total	100.0	24.8	45.2	1.7	17.5	5.3	3.8	1.2	0.4
California	100.0	14.5	52.6	2	13.1	14.5	2.8	1.9	2
Maryland	100.0	59.1	27.8	2.0	9.3	0	1.8	*	*
Georgia	100.0	6.2	88.2	0	5.3	0	2	0	1
Texas	100.0	13.2	66.5	0	16.0	0	4.0	*	2
Virginia	100.0	43.9	42.6	0	5.7	1.6	1.2	4.9	1
Massachusetts	100.0	9.5	40.1	0	23.0	4.8	17.6	4.7	4
District of Columbia	100.0	75.1	13.6	0	5.3	0	6.0	0	1
New York	100.0	4.5	36.7	0	39.8	7.9	7.9	0	3.2
Pennsylvania	100.0	9.4	51.8	0	29.7	9	7.8	0	3
Florida	100.0	23.1	65.5	0	10.9	0	3	0	2
Alabama	100.0	31.9	57.5	0	9.6	0	9	0	1
New Mexico	100.0	24.2	11.4	32.0	4.7	26.9	3	4	1
Ohio	100.0	33.1	44.7	0	18.0	0	4.0	0	2
Missouri	100.0	3.4	80.8	0	14.4	0	1.1	0	2
New Jersey	100.0	25.9	47.6	0	16.2	8.7	9	3	4
Washington	100.0	14.2	29.2	0	29.3	0	8.5	18.2	6
Illinois	100.0	7.2	12.0	0	38.9	37.7	3.7	0	5
Colorado	100.0	17.4	45.0	0	23.5	8.2	4.8	5	5
Arizona	100.0	19.4	57.7	0	18.6	3.2	7	0	4
Connecticut	100.0	2.0	70.5	0	25.9	0	1.1	0	5
North Carolina	100.0	26.7	12.1	0	53.4	0	7.1	0	7
Michigan	100.0	11.9	22.5	0	57.7	0	7.2	0	6
Tennessee	100.0	10.7	6.0	47.8	28.9	2.9	3.4	0	4
Minnesota	100.0	5.3	44.5	0	34.3	0	14.8	0	1.1
Rhode Island	100.0	49.3	34.8	0	12.2	0	3.3	0	5
Hawaii	100.0	83.7	2.3	0	10.6	0	3.0	0	4
Indiana	100.0	14.6	43.1	0	40.8	0	8	0	7
Nevada	100.0	9.3	84.1	0	5.9	0	4	0	2
Utah	100.0	35.3	26.5	0	34.6	0	2.1	0	1.5
Wisconsin	100.0	11.6	10.4	0	75.0	0	1.9	0	1.1
West Virginia	100.0	47.1	28.0	0	11.9	10.0	2.0	0	1.0
Oregon	100.0	20.2	14.1	0	52.0	0	11.9	0	1.7
Iowa	100.0	17.4	5.9	0	60.8	13.9	5	0	1.5
New Hampshire	100.0	14.5	56.7	0	27.7	0	8	0	3
Mississippi	100.0	62.3	12.3	0	23.2	0	1.6	0	6
Idaho	100.0	13.2	48.3	31.2	6.4	0	3	0	7
South Carolina	100.0	19.4	23.1	16.8	36.9	0	1.5	0	2.3
Louisiana	100.0	25.6	12.5	0	58.9	0	1.1	0	2.0
Oklahoma	100.0	28.3	34.8	0	29.8	0	5.8	0	1.2
Kansas	100.0	10.2	35.4	0	52.1	0	8	0	1.6
Arkansas	100.0	58.9	3.1	0	33.5	0	3.2	0	1.3
Alaska	100.0	62.5	9.0	0	25.2	0	7	0	2.7
Nebraska	100.0	26.7	4.6	0	60.6	0	6.6	0	1.5
Kentucky	100.0	7.8	6.6	0	81.9	0	1.5	0	2.2
Montana	100.0	51.8	9.8	0	32.8	0	2.6	0	3.1
Delaware	100.0	27.5	27.4	0	38.9	0	5.3	0	9
Maine	100.0	7.8	16.7	0	29.1	0	42.8	0	3.7
Vermont	100.0	8.8	24.9	0	62.5	0	2.6	0	1.1
North Dakota	100.0	52.9	1.1	0	42.4	0	2.0	0	1.5
Wyoming	100.0	24.7	6	0	36.1	0	35.9	0	2.7
South Dakota	100.0	50.7	10.3	0	31.7	0	3.2	0	4.1
Outlying areas	100.0	58.0	4	0	35.8	4.6	1	0	1.1
Puerto Rico	100.0	15.4	0	0	64.3	16.4	4	0	3.5
Other areas	100.0	74.7	6	0	24.6	0	0	0	2
Offices abroad	100.0	38.0	51.9	0	2.5	0	6.3	0	1.3

¹ Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

NOTE: Only the following 10 agencies are required to report to this section of the survey: the Departments of Agriculture, Commerce, Defense, Energy, Interior, Transportation, and Health and Human Services; the Environmental Protection Agency; the National Aeronautics and Space Administration; and the National Science Foundation. The obligations of the 10 major R&D supporting agencies included in this table represent approximately 98 percent of total Federal R&D obligations in fiscal year 1995.

KEY: * = Percentage less than .05%
FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation SRS Survey of Federal Funds for Research and Development, Fiscal Years 1995, 1996, and 1997

Table C-82. Federal obligations for research and development, by State and agency: fiscal year 1995

[Dollars in thousands]

Page 1 of 1

State (in order of total Federal research & development obligations)	Total	Dept of Agriculture	Dept of Commerce	Dept of Defense ¹	Dept of Energy	Dept of Health & Human Services	Dept of the Interior	Dept of Transportation	EPA	NASA	National Science Foundation
Total	67,246,794	1,375,116	1,134,775	34,256,535	6,120,498	11,412,440	560,616	726,724	548,025	8,968,096	2,143,969
California	12,703,572	76,788	86,514	7,272,250	1,058,345	1,305,366	45,125	33,854	25,367	2,503,332	296,631
Maryland	7,039,183	135,649	369,997	2,914,007	60,671	2,239,094	16,863	52,528	6,562	1,189,026	54,786
Georgia	4,365,770	51,341	2,280	3,900,416	15,294	306,242	6,221	7,302	18,054	31,110	27,510
Texas	4,062,175	61,417	17,214	1,390,773	69,130	443,460	9,248	17,447	16,939	1,956,953	79,594
Virginia	3,603,023	12,129	36,758	2,549,556	93,285	146,354	51,152	55,657	33,901	563,187	61,044
Massachusetts	3,339,532	21,574	57,772	1,817,242	99,989	933,229	6,397	63,704	25,613	146,346	167,666
District of Columbia	2,805,093	142,064	27,486	1,396,543	349,156	221,291	14,869	177,455	60,381	341,121	74,727
New York	2,581,383	31,828	21,434	774,006	572,819	910,325	5,335	15,059	7,333	43,481	199,763
Pennsylvania	2,414,250	39,353	13,774	1,145,451	456,708	568,929	6,057	14,483	4,910	53,225	111,360
Florida	2,403,899	33,691	29,084	1,744,366	21,046	127,429	14,195	5,280	18,670	356,445	53,693
Alabama	2,016,252	16,158	2,025	1,324,964	34,131	127,447	4,085	2,592	4,333	487,012	13,505
New Mexico	1,987,076	5,864	341	780,776	1,066,387	35,773	5,219	19,876	2,304	56,080	14,456
Ohio	1,811,413	15,947	13,284	854,591	47,590	288,112	3,643	21,413	58,993	470,914	36,926
Missouri	1,613,322	13,702	164	1,342,017	5,234	203,994	10,059	2,063	1,434	11,873	16,782
New Jersey	1,325,902	7,235	44,822	676,659	157,547	106,047	4,101	81,417	8,228	189,885	49,961
Washington	1,127,750	36,622	58,453	346,330	231,267	308,384	14,880	4,378	2,145	77,434	47,857
Illinois	1,116,137	43,469	19,638	147,523	499,033	266,000	2,291	12,212	3,941	17,507	104,523
Colorado	965,060	30,093	76,164	372,513	39,115	151,008	45,647	7,702	6,364	115,796	120,658
Arizona	915,087	20,254	2,371	656,556	6,288	83,220	8,995	3,352	3,066	69,580	61,405
Connecticut	902,334	5,470	7,806	558,660	62,991	200,739	1,275	13,723	1,372	29,586	20,712
North Carolina	825,433	32,586	18,415	136,748	13,504	434,731	3,645	6,418	116,207	11,738	51,441
Michigan	688,376	20,205	47,728	219,678	13,779	254,994	6,792	9,416	21,217	22,263	72,304
Tennessee	581,956	9,249	1,115	82,725	299,627	142,131	3,074	3,300	1,101	23,667	15,967
Minnesota	571,128	23,826	15,748	255,331	5,736	198,156	4,101	6,338	18,028	7,422	36,442
Rhode Island	515,425	1,537	3,059	432,478	2,283	37,781	1,677	1,426	10,362	4,338	20,484
Hawaii	480,428	20,296	11,085	48,940	6,074	360,789	10,797	636	246	7,424	14,141
Indiana	426,192	16,342	1,061	229,504	21,849	91,482	2,670	8,218	2,631	11,447	40,988
Nevada	372,570	3,160	728	19,611	298,870	6,245	11,738	10,106	12,583	1,949	7,580
Utah	371,208	13,369	4,409	226,934	16,798	72,831	5,621	1,417	1,259	6,762	21,808
Wisconsin	347,089	34,643	5,144	30,945	19,040	161,351	12,607	5,587	2,010	35,932	39,830
West Virginia	296,347	20,837	153	17,014	134,360	59,614	6,377	2,611	10	22,831	32,540
Oregon	277,229	37,438	13,681	38,889	15,702	101,921	13,529	2,128	20,509	7,874	25,558
Iowa	214,316	39,159	1,343	21,335	28,913	82,815	2,526	15,988	2,766	7,197	12,274
New Hampshire	213,647	4,587	15,858	130,311	1,335	35,525	1,300	2,594	500	12,422	9,215
Mississippi	212,739	50,877	7,552	97,879	3,643	12,032	2,520	2,091	1,195	29,155	5,795
Idaho	211,063	18,429	476	12,889	161,093	1,806	9,687	1,330	769	724	3,860
South Carolina	177,962	15,236	40,099	34,987	38,134	33,776	2,784	1,431	465	2,420	8,630
Louisiana	176,253	33,149	2,910	38,354	11,514	54,438	15,235	1,551	5,868	3,738	9,496
Oklahoma	159,395	17,196	8,486	33,961	37,972	27,330	2,368	8,856	8,880	1,132	12,714
Kansas	120,846	12,981	173	43,422	6,164	34,479	3,362	1,514	4,970	3,512	10,269
Arkansas	97,724	16,276	23	4,192	72	66,972	3,763	1,205	692	1,667	2,862
Alaska	96,915	7,222	32,625	10,451	302	2,793	24,531	1,219	1,224	8,606	7,942
Nebraska	86,762	25,797	30	10,206	6,217	27,554	3,809	746	79	1,919	10,405
Kentucky	75,670	8,725	71	10,846	5,617	36,486	1,895	1,419	1,221	1,386	8,004
Montana	64,821	15,367	2,084	9,383	4,847	17,503	5,541	1,010	205	2,255	6,626
Delaware	56,381	4,084	8,240	21,175	1,562	4,869	769	4,222	522	2,358	8,580
Maine	54,476	5,857	3,061	5,771	5,898	22,836	1,744	528	585	2,118	6,078
Vermont	53,590	5,785	45	13,573	534	26,937	1,804	419	51	663	3,779
North Dakota	47,313	25,321	289	1,355	5,453	2,947	5,445	1,145	1,318	584	3,456
Wyoming	35,151	6,556	57	2,154	5,268	1,097	4,089	9,222	477	806	5,425
South Dakota	26,492	5,518	10	366	80	2,745	5,838	668	0	7,760	3,507
Outlying areas	165,665	13,088	1,636	8,512	32	23,020	102,821	468	165	3,513	12,410
Puerto Rico	46,657	9,316	400	159	32	21,915	2,065	468	165	0	12,137
Other areas	119,008	3,772	1,236	8,353	0	1,105	100,756	0	0	3,513	273
Offices abroad	48,019	3,770	0	41,417	2,200	11	0	0	0	621	0

¹ Beginning with Vol. 40, Department of Defense (DoD) research is reported separately from DoD development. DoD states that more than 90 percent of its development reported for "universities and colleges" is performed at off-campus, university-affiliated laboratories that are not involved in teaching.

NOTE: Only the following 10 agencies are required to report to this section of the survey: the Departments of Agriculture, Commerce, Defense, Energy, Interior, Transportation, and Health and Human Services; the Environmental Protection Agency; the National Aeronautics and Space Administration; and the National Science Foundation. The obligations of the 10 major R&D supporting agencies included in this table represent approximately 98 percent of total Federal R&D obligations in fiscal year 1995.

KEY: EPA = Environmental Protection Agency
NASA = National Aeronautics & Space Administration

SOURCE: National Science Foundation SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

Table C-82a. Percentage distribution of Federal obligations for research and development of each agency, by State: fiscal year 1995

Page 1 of 1

State (in order of total Federal research & development obligations)	Total	Dept of Agriculture	Dept of Commerce	Dept of Defense ¹	Dept of Energy	Dept of Health & Human Services	Dept of the Interior	Dept of Transportation	EPA	NASA	National Science Foundation
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
California	18.9	5.6	7.6	21.2	17.3	11.4	8.0	4.7	4.6	27.9	13.8
Maryland	10.5	9.9	32.6	8.5	1.0	19.6	3.0	7.2	1.2	13.3	2.6
Georgia	6.5	3.7	2	11.4	2	2.7	1.1	1.0	3.3	3	1.3
Texas	6.0	4.5	1.5	4.1	1.1	3.9	1.6	2.4	3.1	21.8	3.7
Virginia	5.4	9	3.2	7.4	1.5	1.3	9.1	7.7	6.2	6.3	2.8
Massachusetts	5.0	1.6	5.1	5.3	1.6	8.2	1.1	8.8	4.7	1.6	7.8
District of Columbia	4.2	10.3	2.4	4.1	5.7	1.9	2.7	24.4	11.0	3.8	3.5
New York	3.8	2.3	1.9	2.3	9.4	8.0	1.0	2.1	1.3	5	9.3
Pennsylvania	3.6	2.9	1.2	3.3	7.5	5.0	1.1	2.0	9	6	5.2
Florida	3.6	2.5	2.6	5.1	3	1.1	2.5	7	3.4	4.0	2.5
Alabama	3.0	1.2	2	3.9	6	1.1	7	4	8	5.4	6
New Mexico	3.0	4	*	2.3	17.4	3	9	2.7	4	6	7
Ohio	2.7	1.2	1.2	2.5	8	2.5	6	2.9	10.8	5.3	1.7
Missouri	2.4	1.4	*	3.9	1	1.8	1.8	3	3	1	8
New Jersey	2.0	5	3.9	2.0	2.6	9	7	11.2	1.5	2.1	2.3
Washington	1.7	2.7	5.2	1.0	3.8	2.7	2.7	6	4	9	2.2
Illinois	1.7	3.2	1.7	4	8.2	2.3	4	1.7	7	2	4.9
Colorado	1.4	2.2	6.7	1.1	6	1.3	8.1	1.1	1.2	1.3	5.6
Arizona	1.4	1.5	2	1.9	1	7	1.6	5	6	8	2.9
Connecticut	1.3	4	7	1.6	1.0	1.8	2	1.9	3	3	1.0
North Carolina	1.2	2.4	1.6	4	2	3.8	7	9	21.2	1	2.4
Michigan	1.0	1.5	4.2	6	2	2.2	1.2	1.3	3.9	2	3.4
Tennessee	9	7	1	2	4.9	1.2	5	5	2	3	7
Minnesota	8	1.7	1.4	7	1	1.7	7	9	3.3	1	1.7
Rhode Island	8	1	3	1.3	*	3	3	2	1.9	*	1.0
Hawaii	7	1.5	1.0	1	1	3.2	1.9	1	*	1	7
Indiana	6	1.2	1	7	4	8	5	1.1	5	1	1.9
Nevada	6	2	1	1	4.9	1	2.1	1.4	2.3	*	4
Utah	6	1.0	4	7	3	6	1.0	2	2	1	1.0
Wisconsin	5	2.5	5	1	3	1.4	2.2	8	4	4	1.9
West Virginia	4	1.5	*	*	2.2	5	1.1	4	*	3	1.5
Oregon	4	2.7	1.2	1	3	9	2.4	3	3.7	1	1.2
Iowa	3	2.8	1	1	5	7	5	2.2	5	1	6
New Hampshire	3	3	1.4	4	*	3	2	4	1	1	4
Mississippi	3	3.7	7	3	1	1	4	3	2	3	3
Idaho	3	1.3	*	*	2.6	*	1.7	2	1	*	2
South Carolina	3	1.1	3.5	1	6	3	5	2	1	*	4
Louisiana	3	2.4	3	1	2	5	2.7	2	1.1	*	4
Oklahoma	2	1.3	7	1	6	2	5	1.2	1.6	*	6
Kansas	2	9	*	1	1	3	6	2	9	*	5
Arkansas	1	1.2	*	*	*	6	7	2	1	*	1
Alaska	1	5	2.9	*	*	*	4.4	2	2	1	4
Nebraska	1	1.9	*	*	1	2	7	1	*	*	5
Kentucky	1	6	*	*	1	3	3	2	2	*	4
Montana	1	1.1	2	*	1	2	1.0	1	*	*	3
Delaware	1	3	7	1	*	*	1	6	1	*	4
Maine	1	4	3	*	1	2	3	1	1	*	3
Vermont	1	4	*	*	*	2	3	1	*	*	2
North Dakota	1	1.8	*	*	1	*	1.0	2	2	*	2
Wyoming	1	5	*	*	1	*	7	1.3	1	*	3
South Dakota	*	4	*	*	*	*	1.0	1	0	1	2
Outlying areas	2	1.0	1	*	*	2	18.3	1	*	*	6
Puerto Rico	1	7	*	*	*	2	4	1	*	0	6
Other areas	2	3	1	*	0	*	18.0	0	0	*	*
Offices abroad	1	3	0	1	*	*	0	0	0	*	0

¹ Beginning with Vol. 40, Department of Defense (DoD) research is reported separately from DoD development. DoD states that more than 90 percent of its development reported for "universities and colleges" is performed at off-campus, university-affiliated laboratories that are not involved in teaching.

NOTE: Only the following 10 agencies are required to report to this section of the survey: the Departments of Agriculture, Commerce, Defense, Energy, Interior, Transportation, and Health and Human Services; the Environmental Protection Agency; the National Aeronautics and Space Administration; and the National Science Foundation. The obligations of the 10 major R&D supporting agencies included in this table represent approximately 98 percent of total Federal R&D obligations in fiscal year 1995.

KEY: * = Percentage less than .05%
EPA = Environmental Protection Agency
NASA = National Aeronautics & Space Administration

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

Table C-82b. Percentage distribution of Federal obligations for research and development of each State, by agency: fiscal year 1995

Page 1 of 1

State (in order of total Federal research & development obligations)	Total	Dept of Agriculture	Dept of Commerce	Dept of Defense ¹	Dept of Energy	Dept of Health & Human Services	Dept of the Interior	Dept of Transportation	EPA	NASA	National Science Foundation
Total	100.0	2.0	1.7	50.9	9.1	17.0	0.8	1.1	0.8	13.3	3.2
California	100.0	6	7	57.2	8.3	10.3	4	3	2	19.7	2.3
Maryland	100.0	1.9	5.3	41.4	9	31.8	2	7	1	16.9	8
Georgia	100.0	1.2	1	89.3	4	7.0	1	2	4	7	6
Texas	100.0	1.5	4	34.2	1.7	10.9	2	4	4	48.2	2.0
Virginia	100.0	3	1.0	70.8	2.6	4.1	1.4	1.5	9	15.6	1.7
Massachusetts	100.0	6	1.7	54.4	3.0	27.9	2	1.9	8	4.4	5.0
District of Columbia	100.0	5.1	1.0	49.8	12.4	7.9	5	6.3	2.2	12.2	2.7
New York	100.0	1.2	8	30.0	22.2	35.3	2	6	3	1.7	7.7
Pennsylvania	100.0	1.6	6	47.4	18.9	23.6	3	6	2	2.2	4.6
Florida	100.0	1.4	1.2	72.6	9	5.3	6	2	8	14.8	2.2
Alabama	100.0	8	1	65.7	1.7	6.3	2	1	2	24.2	7
New Mexico	100.0	3	*	39.3	53.7	1.8	3	1.0	1	2.8	7
Ohio	100.0	9	7	47.2	2.6	15.9	2	1.2	3.3	26.0	2.0
Missouri	100.0	1.2	*	83.2	3	12.6	6	1	1	7	1.0
New Jersey	100.0	5	3.4	51.0	11.9	8.0	3	6.1	6	14.3	3.8
Washington	100.0	3.2	5.2	30.7	20.5	27.3	13	4	2	6.9	4.2
Illinois	100.0	3.9	1.8	13.2	44.7	23.8	2	1.1	4	1.6	9.4
Colorado	100.0	3.1	7.9	38.6	4.1	15.6	4.7	8	7	12.0	12.5
Arizona	100.0	2.2	3	71.7	7	9.1	1.0	4	3	7.6	6.7
Connecticut	100.0	6	9	61.9	7.0	22.2	1	1.5	2	3.3	2.3
North Carolina	100.0	3.9	2.2	16.6	1.6	52.7	4	8	14.1	1.4	6.2
Michigan	100.0	2.9	6.9	31.9	2.0	37.0	1.0	1.4	3.1	3.2	10.5
Tennessee	100.0	1.6	2	14.2	51.5	24.4	5	6	2	4.1	2.7
Minnesota	100.0	4.2	2.8	44.7	1.0	34.7	7	1.1	3.2	1.3	6.4
Rhode Island	100.0	3	6	83.9	4	7.3	3	3	2.0	8	4.0
Hawaii	100.0	4.2	2.3	10.2	1.3	75.1	2.2	1	1	1.5	2.9
Indiana	100.0	3.8	2	53.8	5.1	21.5	6	1.9	6	2.7	9.6
Nevada	100.0	8	2	5.3	80.2	1.7	3.2	2.7	3.4	5	2.0
Utah	100.0	3.6	1.2	61.1	4.5	19.6	1.5	4	3	1.8	5.9
Wisconsin	100.0	10.0	1.5	8.9	5.5	46.5	3.6	1.6	6	10.4	11.5
West Virginia	100.0	7.0	1	5.7	45.3	20.1	2.2	9	*	7.7	11.0
Oregon	100.0	13.5	4.9	14.0	5.7	36.8	4.9	8	7.4	2.8	9.2
Iowa	100.0	18.3	6	10.0	13.5	38.6	1.2	7.5	1.3	3.4	5.7
New Hampshire	100.0	2.1	7.4	61.0	6	16.6	6	1.2	2	5.8	4.3
Mississippi	100.0	23.9	3.5	46.0	1.7	5.7	1.2	1.0	6	13.7	2.7
Idaho	100.0	8.7	2	6.1	76.3	9	4.6	6	4	3	1.8
South Carolina	100.0	8.6	22.5	19.7	21.4	19.0	1.6	8	3	1.4	4.8
Louisiana	100.0	18.8	1.7	21.8	6.5	30.9	8.6	9	3.3	2.1	5.4
Oklahoma	100.0	10.8	5.3	21.3	23.8	17.1	1.8	5.6	5.6	7	8.0
Kansas	100.0	10.7	1	35.9	5.1	28.5	2.8	1.3	4.1	2.9	8.5
Arkansas	100.0	16.7	*	4.3	1	68.5	3.9	1.2	7	1.7	2.9
Alaska	100.0	7.5	33.7	10.8	3	2.9	25.3	1.3	1.3	8.9	8.2
Nebraska	100.0	29.7	*	11.8	7.2	31.8	4.4	9	1	2.2	12.0
Kentucky	100.0	11.5	1	14.3	7.4	48.2	2.5	1.9	1.6	1.8	10.6
Montana	100.0	23.7	3.2	14.5	7.5	27.0	8.5	1.6	3	3.5	10.2
Delaware	100.0	7.2	14.6	37.6	2.8	8.6	1.4	7.5	9	4.2	15.2
Maine	100.0	10.8	5.6	10.6	10.8	41.9	3.2	1.0	1.1	3.9	11.2
Vermont	100.0	10.8	1	25.3	1.0	50.3	3.4	8	1	1.2	7.1
North Dakota	100.0	53.5	6	2.9	11.5	6.2	11.5	2.4	2.8	1.2	7.3
Wyoming	100.0	18.7	2	6.1	15.0	3.1	11.6	26.2	1.4	2.3	15.4
South Dakota	100.0	20.8	*	1.4	3	10.4	22.0	2.5	0	29.3	13.2
Outlying areas	100.0	7.9	1.0	5.1	*	13.9	62.1	3	1	2.1	7.5
Puerto Rico	100.0	20.0	9	3	1	47.0	4.4	1.0	4	0	26.0
Other areas	100.0	3.2	1.0	7.0	0	9	84.7	0	0	3.0	2
Offices abroad	100.0	7.9	0	86.3	4.6	*	0	0	0	1.3	0

¹ Beginning with Vol. 40, Department of Defense (DoD) research is reported separately from DoD development. DoD states that more than 90 percent of its development reported for "universities and colleges" is performed at off-campus, university-affiliated laboratories that are not involved in teaching.

NOTE: Only the following 10 agencies are required to report to this section of the survey: the Departments of Agriculture, Commerce, Defense, Energy, Interior, Transportation, and Health and Human Services; the Environmental Protection Agency; the National Aeronautics and Space Administration; and the National Science Foundation. The obligations of the 10 major R&D supporting agencies included in this table represent approximately 98 percent of total Federal R&D obligations in fiscal year 1995.

KEY: * = Percentage less than .05%
EPA = Environmental Protection Agency
NASA = National Aeronautics & Space Administration

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

Table C-83. Federal obligations for research and development, by State, agency, and performer: fiscal year 1995

[Dollars in thousands]

Page 1 of 14

State and agency	Total	Intra-mural ¹	Extramural						State and local govts
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	
Alabama, total	2,016,252	642,257	1,159,369	0	194,411	0	17,882	0	2,333
Department of Agriculture	16,158	4,950	0	0	11,123	0	0	0	85
Department of Commerce	2,025	515	150	0	1,323	0	0	0	37
Department of Defense, research ²	61,819	29,483	21,896	0	9,774	0	666	0	0
Department of Defense, total development ^{3 4}	1,263,145	330,180	929,146	0	3,819	0	0	0	0
Department of Energy	34,131	50	29,381	0	4,501	0	199	0	0
Department of Health & Human Svcs	127,447	0	2,286	0	110,381	0	13,982	0	798
Department of the Interior	4,085	3,416	0	0	669	0	0	0	0
Department of Transportation	2,592	1,004	0	0	208	0	0	0	1,380
Environmental Protection Agency	4,333	0	1,514	0	1,390	0	1,429	0	0
National Aeronautics and Space Admin	487,012	272,659	174,921	0	37,793	0	1,606	0	33
National Science Foundation	13,505	0	75	0	13,430	0	0	0	0
Alaska, total	96,915	60,545	8,729	0	24,411	0	635	0	2,595
Department of Agriculture	7,222	5,423	0	0	1,799	0	0	0	0
Department of Commerce	32,625	30,970	0	0	1,527	0	0	0	128
Department of Defense, research ²	2,016	876	126	0	1,014	0	0	0	0
Department of Defense, total development ^{3 4}	8,435	619	7,418	0	398	0	0	0	0
Department of Energy	302	0	253	0	49	0	0	0	0
Department of Health & Human Svcs	2,793	446	80	0	1,886	0	100	0	281
Department of the Interior	24,531	22,211	226	0	1,727	0	0	0	367
Department of Transportation	1,219	0	0	0	0	0	0	0	1,219
Environmental Protection Agency	1,224	0	496	0	128	0	0	0	600
National Aeronautics and Space Admin	8,606	0	0	0	8,606	0	0	0	0
National Science Foundation	7,942	0	130	0	7,277	0	535	0	0
Arizona, total	915,087	177,935	528,327	0	170,299	29,099	6,198	0	3,229
Department of Agriculture	20,254	14,016	80	0	6,133	0	0	0	25
Department of Commerce	2,371	0	1,070	0	723	0	0	0	578
Department of Defense, research ²	40,890	2,374	15,436	0	23,060	0	20	0	0
Department of Defense, total development ^{3 4}	615,666	132,155	481,732	0	1,739	0	0	0	40
Department of Energy	6,288	0	160	0	6,128	0	0	0	0
Department of Health & Human Svcs	83,220	15,647	1,355	0	60,267	0	4,939	0	1,012
Department of the Interior	8,995	8,230	94	0	671	0	0	0	0
Department of Transportation	3,352	0	2,163	0	40	0	0	0	1,149
Environmental Protection Agency	3,066	0	1,149	0	1,917	0	0	0	0
National Aeronautics and Space Admin	69,580	5,513	24,271	0	38,575	0	796	0	425
National Science Foundation	61,405	0	817	0	31,046	29,099	443	0	0
Arkansas, total	97,724	57,563	3,016	0	32,766	0	3,139	0	1,241
Department of Agriculture	16,276	6,126	480	0	9,553	0	83	0	34
Department of Commerce	23	0	23	0	0	0	0	0	0
Department of Defense, research ²	2,039	287	139	0	1,613	0	0	0	0
Department of Defense, total development ^{3 4}	2,153	1,642	463	0	48	0	0	0	0
Department of Energy	72	0	0	0	72	0	0	0	0
Department of Health & Human Svcs	66,972	45,858	847	0	16,899	0	3,035	0	333
Department of the Interior	3,763	3,650	0	0	113	0	0	0	0
Department of Transportation	1,205	0	319	0	12	0	0	0	874
Environmental Protection Agency	692	0	442	0	230	0	20	0	0
National Aeronautics and Space Admin	1,667	0	293	0	1,374	0	0	0	0
National Science Foundation	2,862	0	10	0	2,852	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-83. Federal obligations for research and development, by State, agency, and performer: fiscal year 1995

[Dollars in thousands]

Page 2 of 14

State and agency	Total	Intra-mural ¹	Extramural						
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts
California, total	12,703,572	1,843,729	6,685,458	21,790	1,666,792	1,847,456	361,960	245,360	31,027
Department of Agriculture	76,788	55,432	0	0	21,039	0	317	0	0
Department of Commerce	86,514	14,161	62,180	0	9,335	75	541	0	222
Department of Defense, research ²	830,172	146,741	442,001	6,150	199,585	16,019	16,290	3,386	0
Department of Defense, total development ^{3 4}	6,442,078	1,277,541	4,910,910	72	56,150	40,570	25,181	131,654	0
Department of Energy	1,058,345	5,147	107,416	15,568	80,485	736,307	6,184	97,535	9,703
Department of Health & Human Svcs	1,305,366	4,274	119,258	0	869,400	21,073	275,580	11,558	4,223
Department of the Interior	45,125	40,680	1,139	0	2,826	160	320	0	0
Department of Transportation	33,854	8,096	6,737	0	3,149	277	1,500	0	14,095
Environmental Protection Agency	25,367	0	8,399	0	13,690	0	742	0	2,536
National Aeronautics and Space Admin	2,503,332	291,360	998,238	0	158,817	1,032,797	20,850	1,022	248
National Science Foundation	296,631	297	29,180	0	252,316	178	14,455	205	0
Colorado, total	965,060	167,869	434,627	0	227,195	79,483	46,418	4,743	4,725
Department of Agriculture	30,093	22,319	0	0	7,774	0	0	0	0
Department of Commerce	76,164	69,884	2,080	0	4,200	0	0	0	0
Department of Defense, research ²	52,329	7,343	25,955	0	18,559	462	10	0	0
Department of Defense, total development ^{3 4}	320,184	13,236	303,994	0	2,954	0	0	0	0
Department of Energy	39,115	3,142	20,279	0	9,721	0	1,230	4,743	0
Department of Health & Human Svcs	151,008	0	4,259	0	115,574	0	27,771	0	3,404
Department of the Interior	45,647	43,378	186	0	1,984	0	0	0	99
Department of Transportation	7,702	460	1,392	0	0	0	4,740	0	1,110
Environmental Protection Agency	6,364	0	2,161	0	2,366	0	1,837	0	0
National Aeronautics and Space Admin	115,796	6,542	71,161	0	20,937	7,449	9,707	0	0
National Science Foundation	120,658	1,565	3,160	0	43,126	71,572	1,123	0	112
Connecticut, total	902,334	17,690	635,941	0	234,126	0	9,737	0	4,840
Department of Agriculture	5,470	1,985	0	0	2,277	0	0	0	1,208
Department of Commerce	7,806	39	4,315	0	3,399	0	0	0	53
Department of Defense, research ²	35,366	1,053	23,645	0	10,668	0	0	0	0
Department of Defense, total development ^{3 4}	523,294	5,253	515,628	0	2,413	0	0	0	0
Department of Energy	62,991	0	52,992	0	9,999	0	0	0	0
Department of Health & Human Svcs	200,739	0	4,665	0	185,648	0	8,873	0	1,553
Department of the Interior	1,275	1,159	38	0	78	0	0	0	0
Department of Transportation	13,723	8,201	3,611	0	54	0	0	0	1,857
Environmental Protection Agency	1,372	0	1,094	0	113	0	100	0	65
National Aeronautics and Space Admin	29,586	0	27,457	0	1,788	0	341	0	0
National Science Foundation	20,712	0	2,496	0	17,689	0	423	0	104
Delaware, total	56,381	15,477	15,449	0	21,934	0	2,994	0	527
Department of Agriculture	4,084	996	50	0	3,038	0	0	0	0
Department of Commerce	8,240	1,155	5,857	0	1,188	0	0	0	40
Department of Defense, research ²	15,900	7,649	4,120	0	4,131	0	0	0	0
Department of Defense, total development ^{3 4}	5,275	2,374	2,342	0	559	0	0	0	0
Department of Energy	1,562	0	109	0	1,048	0	405	0	0
Department of Health & Human Svcs	4,869	0	483	0	3,595	0	704	0	87
Department of the Interior	769	643	0	0	116	0	0	0	10
Department of Transportation	4,222	2,660	1,072	0	100	0	0	0	390
Environmental Protection Agency	522	0	0	0	522	0	0	0	0
National Aeronautics and Space Admin	2,358	0	1,026	0	480	0	852	0	0
National Science Foundation	8,580	0	390	0	7,157	0	1,033	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-83. Federal obligations for research and development, by State, agency, and performer: fiscal year 1995

[Dollars in thousands]

Page 3 of 14

State and agency	Total	Intra- mural ¹	Extramural						State and local govts
			Industrial firms	FFRDCs admin by indus- trial firms	Univer- sities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institu- tions	FFRDCs admin by non- profit institu- tions	
District of Columbia, total	2,805,093	2,106,077	381,390	0	147,605	0	168,518	0	1,503
Department of Agriculture	142,064	133,228	8,052	0	611	0	173	0	0
Department of Commerce	27,486	26,345	145	0	891	0	105	0	0
Department of Defense, research ²	462,484	364,715	70,160	0	19,722	0	7,887	0	0
Department of Defense, total	934,059	768,117	137,730	0	23,348	0	4,864	0	0
development ^{3,4}	349,156	300,628	38,062	0	4,144	0	6,322	0	0
Department of Energy	221,291	95,802	14,281	0	71,805	0	39,194	0	209
Department of Health & Human Svcs	14,869	14,566	13	0	119	0	171	0	0
Department of the Interior	177,455	91,279	63,983	0	5,380	0	15,554	0	1,259
Department of Transportation	60,381	45,398	2,178	0	492	0	12,313	0	0
Environmental Protection Agency	341,121	259,276	42,904	0	8,258	0	30,648	0	35
National Aeronautics and Space Admin	74,727	6,723	3,882	0	12,835	0	51,287	0	0
National Science Foundation									
Florida, total	2,403,899	554,440	1,573,440	0	262,972	0	8,165	0	4,882
Department of Agriculture	33,691	21,115	80	0	12,461	0	35	0	0
Department of Commerce	29,084	23,323	1,938	0	3,682	0	20	0	121
Department of Defense, research ²	115,173	43,458	43,481	0	28,234	0	0	0	0
Department of Defense, total	1,629,193	251,035	1,361,274	0	16,884	0	0	0	0
development ^{3,4}	21,046	0	9,542	0	10,827	0	677	0	0
Department of Energy	127,429	0	6,129	0	116,198	0	3,933	0	1,169
Department of Health & Human Svcs	14,195	10,944	69	0	3,124	0	0	0	58
Department of the Interior	5,280	375	1,149	0	955	0	0	0	2,801
Department of Transportation	18,670	7,823	8,583	0	2,122	0	0	0	142
Environmental Protection Agency	356,445	196,367	140,980	0	17,734	0	773	0	591
National Aeronautics and Space Admin	53,693	0	215	0	50,751	0	2,727	0	0
National Science Foundation									
Georgia, total	4,365,770	272,178	3,849,787	0	232,133	0	7,766	0	3,906
Department of Agriculture	51,341	38,047	0	0	13,043	0	0	0	251
Department of Commerce	2,280	362	1,208	0	700	0	0	0	10
Department of Defense, research ²	36,421	3,528	9,469	0	23,365	0	59	0	0
Department of Defense, total	3,863,995	15,396	3,823,144	0	23,707	0	1,748	0	0
development ^{3,4}	15,294	0	1,039	0	13,669	0	586	0	0
Department of Energy	306,242	190,976	815	0	111,227	0	2,859	0	365
Department of Health & Human Svcs	6,221	5,871	0	0	350	0	0	0	0
Department of the Interior	7,302	613	1,707	0	1,061	0	1,687	0	2,234
Department of Transportation	18,054	9,014	3,697	0	5,333	0	10	0	0
Environmental Protection Agency	31,110	8,371	6,893	0	15,085	0	761	0	0
National Aeronautics and Space Admin	27,510	0	1,815	0	24,593	0	56	0	1,046
National Science Foundation									
Hawaii, total	480,428	401,963	11,179	0	51,060	0	14,520	0	1,706
Department of Agriculture	20,296	9,987	0	0	4,941	0	5,368	0	0
Department of Commerce	11,085	7,599	237	0	3,121	0	0	0	128
Department of Defense, research ²	13,062	937	7,984	0	4,131	0	10	0	0
Department of Defense, total	35,878	32,739	1,576	0	758	0	0	0	805
development ^{3,4}	6,074	0	0	0	3,106	0	2,968	0	0
Department of Energy	360,789	340,000	606	0	14,532	0	5,560	0	91
Department of Health & Human Svcs	10,797	10,651	0	0	100	0	0	0	46
Department of the Interior	636	0	0	0	0	0	0	0	636
Department of Transportation	246	0	0	0	171	0	75	0	0
Environmental Protection Agency	7,424	50	659	0	6,715	0	0	0	0
National Aeronautics and Space Admin	14,141	0	117	0	13,485	0	539	0	0
National Science Foundation									

See explanatory information, if any, and SOURCE at end of table

Table C-83. Federal obligations for research and development, by State, agency, and performer: fiscal year 1995

[Dollars in thousands]

Page 4 of 14

State and agency	Total	Intra-mural ¹	Extramural						State and local govts
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univ. and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	
Idaho, total	211,063	27,792	101,893	65,810	13,536	0	548	0	1,484
Department of Agriculture	18,429	13,304	0	0	5,090	0	35	0	0
Department of Commerce	476	476	0	0	0	0	0	0	0
Department of Defense, research ²	8,257	1,117	6,068	302	770	0	0	0	0
Department of Defense, total development ^{3,4}	4,632	2,542	153	1,244	693	0	0	0	0
Department of Energy	161,093	1,080	95,417	63,753	253	0	20	0	570
Department of Health & Human Svcs	1,806	0	0	0	1,068	0	493	0	245
Department of the Interior	9,687	8,805	40	0	842	0	0	0	0
Department of Transportation	1,330	0	150	511	0	0	0	0	669
Environmental Protection Agency	769	0	0	0	769	0	0	0	0
National Aeronautics and Space Admin	724	468	0	0	256	0	0	0	0
National Science Foundation	3,860	0	65	0	3,795	0	0	0	0
Illinois, total	1,116,137	80,626	133,876	0	434,009	421,040	41,416	0	5,170
Department of Agriculture	43,469	31,311	240	0	11,904	0	14	0	0
Department of Commerce	19,638	540	17,652	0	1,442	4	0	0	0
Department of Defense, research ²	73,897	18,593	7,501	0	45,559	1,979	265	0	0
Department of Defense, total development ^{3,4}	73,626	25,551	35,454	0	10,725	943	953	0	0
Department of Energy	499,033	0	56,875	0	21,481	417,794	2,454	0	429
Department of Health & Human Svcs	266,000	1,945	5,126	0	224,107	0	34,015	0	807
Department of the Interior	2,291	2,019	57	0	82	80	0	0	53
Department of Transportation	12,212	0	4,324	0	4,207	0	300	0	3,381
Environmental Protection Agency	3,941	0	1,737	0	1,344	0	360	0	500
National Aeronautics and Space Admin	17,507	667	3,787	0	11,809	240	1,004	0	0
National Science Foundation	104,523	0	1,123	0	101,349	0	2,051	0	0
Indiana, total	426,192	62,061	183,529	0	173,978	0	3,596	0	3,028
Department of Agriculture	16,342	4,902	80	0	11,090	0	110	0	160
Department of Commerce	1,061	105	535	0	409	0	12	0	0
Department of Defense, research ²	18,230	2,180	4,384	0	11,646	0	20	0	0
Department of Defense, total development ^{3,4}	211,274	50,925	154,422	0	2,976	0	2,951	0	0
Department of Energy	21,849	0	6,260	0	15,589	0	0	0	0
Department of Health & Human Svcs	91,482	150	3,085	0	86,535	0	367	0	1,345
Department of the Interior	2,670	2,579	0	0	91	0	0	0	0
Department of Transportation	8,218	0	6,716	0	0	0	0	0	1,502
Environmental Protection Agency	2,631	0	2,115	0	495	0	0	0	21
National Aeronautics and Space Admin	11,447	1,220	5,460	0	4,631	0	136	0	0
National Science Foundation	40,988	0	472	0	40,516	0	0	0	0
Iowa, total	214,316	37,257	12,623	0	130,285	29,815	1,054	0	3,282
Department of Agriculture	39,159	25,737	0	0	13,422	0	0	0	0
Department of Commerce	1,343	0	17	0	1,326	0	0	0	0
Department of Defense, research ²	8,176	483	1,929	0	5,725	30	9	0	0
Department of Defense, total development ^{3,4}	13,159	596	8,867	0	3,696	0	0	0	0
Department of Energy	28,913	0	0	0	2,983	25,930	0	0	0
Department of Health & Human Svcs	82,815	0	100	0	80,327	0	995	0	1,393
Department of the Interior	2,526	2,438	0	0	88	0	0	0	0
Department of Transportation	15,988	8,003	62	0	2,755	3,855	0	0	1,313
Environmental Protection Agency	2,766	0	0	0	2,140	0	50	0	576
National Aeronautics and Space Admin	7,197	0	1,548	0	5,649	0	0	0	0
National Science Foundation	12,274	0	100	0	12,174	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-83. Federal obligations for research and development, by State, agency, and performer: fiscal year 1995

[Dollars in thousands]

Page 5 of 14

State and agency	Total	Intra-mural ¹	Extramural						State and local govts
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	
Kansas, total	120,846	12,296	42,764	0	62,934	0	910	0	1,942
Department of Agriculture	12,981	6,181	80	0	6,720	0	0	0	0
Department of Commerce	173	173	0	0	0	0	0	0	0
Department of Defense, research ²	3,184	656	1,248	0	1,280	0	0	0	0
Department of Defense, total development ^{3,4}	40,238	2,002	38,161	0	75	0	0	0	0
Department of Energy	6,164	0	378	0	5,774	0	12	0	0
Department of Health & Human Svcs	34,479	0	1,558	0	31,195	0	898	0	828
Department of the Interior	3,362	3,284	0	0	78	0	0	0	0
Department of Transportation	1,514	0	0	0	400	0	0	0	1,114
Environmental Protection Agency	4,970	0	0	0	4,970	0	0	0	0
National Aeronautics and Space Admin	3,512	0	1,208	0	2,304	0	0	0	0
National Science Foundation	10,269	0	131	0	10,138	0	0	0	0
Kentucky, total	75,670	5,911	5,008	0	61,993	0	1,102	0	1,656
Department of Agriculture	8,725	0	0	0	8,725	0	0	0	0
Department of Commerce	71	0	1	0	70	0	0	0	0
Department of Defense, research ²	4,165	1,024	409	0	2,732	0	0	0	0
Department of Defense, total development ^{3,4}	6,681	3,029	3,652	0	0	0	0	0	0
Department of Energy	5,617	0	120	0	5,477	0	0	0	20
Department of Health & Human Svcs	36,486	0	806	0	34,073	0	1,102	0	505
Department of the Interior	1,895	1,817	0	0	78	0	0	0	0
Department of Transportation	1,419	0	6	0	282	0	0	0	1,131
Environmental Protection Agency	1,221	0	0	0	1,221	0	0	0	0
National Aeronautics and Space Admin	1,386	41	0	0	1,345	0	0	0	0
National Science Foundation	8,004	0	14	0	7,990	0	0	0	0
Louisiana, total	176,253	45,108	22,035	0	103,764	0	1,863	0	3,483
Department of Agriculture	33,149	25,349	0	0	7,760	0	40	0	0
Department of Commerce	2,910	902	687	0	1,204	0	0	0	117
Department of Defense, research ²	18,471	286	1,823	0	16,352	0	10	0	0
Department of Defense, total development ^{3,4}	19,883	3,091	14,809	0	1,983	0	0	0	0
Department of Energy	11,514	175	3,963	0	7,376	0	0	0	0
Department of Health & Human Svcs	54,438	2,213	215	0	49,753	0	1,813	0	444
Department of the Interior	15,235	13,090	0	0	2,093	0	0	0	52
Department of Transportation	1,551	0	0	0	226	0	0	0	1,325
Environmental Protection Agency	5,868	0	149	0	5,719	0	0	0	0
National Aeronautics and Space Admin	3,738	2	304	0	3,432	0	0	0	0
National Science Foundation	9,496	0	85	0	7,866	0	0	0	1,545
Maine, total	54,476	4,238	9,089	0	15,841	0	23,310	0	1,998
Department of Agriculture	5,857	1,146	0	0	4,711	0	0	0	0
Department of Commerce	3,061	701	0	0	2,249	0	5	0	106
Department of Defense, research ²	2,441	285	233	0	1,813	0	110	0	0
Department of Defense, total development ^{3,4}	3,330	802	2,119	0	379	0	30	0	0
Department of Energy	5,898	0	3,778	0	870	0	1,250	0	0
Department of Health & Human Svcs	22,836	0	1,577	0	914	0	19,206	0	1,139
Department of the Interior	1,744	1,304	8	0	359	0	0	0	73
Department of Transportation	528	0	53	0	0	0	0	0	475
Environmental Protection Agency	585	0	300	0	285	0	0	0	0
National Aeronautics and Space Admin	2,118	0	885	0	294	0	734	0	205
National Science Foundation	6,078	0	136	0	3,967	0	1,975	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-83. Federal obligations for research and development, by State, agency, and performer: fiscal year 1995

[Dollars in thousands]

Page 6 of 14

State and agency	Total	Intra-mural ¹	Extramural						State and local govts
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	
Maryland, total	7,039,183	4,158,824	1,956,488	141,701	654,050	0	123,499	1,564	3,057
Department of Agriculture	135,649	123,410	0	0	12,141	0	85	0	13
Department of Commerce	369,997	333,301	29,081	0	7,165	0	327	0	123
Department of Defense, research ²	344,909	224,424	62,011	65	44,498	0	13,160	751	0
Department of Defense, total development ^{3 4}	2,569,098	1,491,816	891,858	0	173,222	0	11,589	613	0
Department of Energy	60,671	26,777	15,379	0	16,594	0	1,921	0	0
Department of Health & Human Svcs	2,239,094	1,583,184	197,376	141,636	314,004	0	2,192	0	702
Department of the Interior	16,863	16,377	172	0	312	0	2	0	0
Department of Transportation	52,528	7,153	41,199	0	2,304	0	0	0	1,872
Environmental Protection Agency	6,562	0	3,497	0	2,515	0	550	0	0
National Aeronautics and Space Admin	1,189,026	348,891	704,674	0	45,024	0	89,890	200	347
National Science Foundation	54,786	3,491	11,241	0	36,271	0	3,783	0	0
Massachusetts, total	3,339,532	315,749	1,337,516	0	767,355	160,583	587,363	158,589	12,377
Department of Agriculture	21,574	15,529	160	0	5,364	0	521	0	0
Department of Commerce	57,772	26,479	27,207	0	3,682	0	49	0	355
Department of Defense, research ²	298,479	62,721	110,811	0	85,422	20,058	18,687	780	0
Department of Defense, total development ^{3 4}	1,518,763	131,204	1,047,826	0	23,721	129,278	31,588	155,146	0
Department of Energy	99,989	20	7,177	0	86,485	0	6,307	0	0
Department of Health & Human Svcs	933,229	27,841	83,281	0	343,448	2,805	468,178	0	7,676
Department of the Interior	6,397	5,249	81	0	697	370	0	0	0
Department of Transportation	63,704	41,926	7,954	0	1,909	7,729	0	0	4,186
Environmental Protection Agency	25,613	0	15,532	0	8,030	0	1,891	0	160
National Aeronautics and Space Admin	146,346	3,593	28,584	0	58,896	343	52,381	2,549	0
National Science Foundation	167,666	1,187	8,903	0	149,701	0	7,761	114	0
Michigan, total	688,376	82,008	155,055	0	397,365	0	49,778	0	4,170
Department of Agriculture	20,205	5,836	158	0	14,211	0	0	0	0
Department of Commerce	47,728	6,483	38,426	0	1,086	0	1,604	0	129
Department of Defense, research ²	55,380	19,162	9,863	0	25,590	0	765	0	0
Department of Defense, total development ^{3 4}	164,298	44,023	83,880	0	8,034	0	28,361	0	0
Department of Energy	13,779	0	265	0	12,477	0	1,037	0	0
Department of Health & Human Svcs	254,994	0	7,270	0	238,050	0	7,656	0	2,018
Department of the Interior	6,792	6,487	0	0	305	0	0	0	0
Department of Transportation	9,416	17	3,061	0	4,315	0	0	0	2,023
Environmental Protection Agency	21,217	0	6,722	0	12,267	0	2,228	0	0
National Aeronautics and Space Admin	22,263	0	3,438	0	13,156	0	5,669	0	0
National Science Foundation	72,304	0	1,072	0	67,874	0	2,458	0	0
Minnesota, total	571,128	30,139	254,153	0	195,912	0	84,775	0	6,149
Department of Agriculture	23,826	13,815	0	0	9,980	0	6	0	25
Department of Commerce	15,748	341	14,438	0	969	0	0	0	0
Department of Defense, research ²	55,624	493	46,098	0	8,890	0	143	0	0
Department of Defense, total development ^{3 4}	199,707	704	174,742	0	2,317	0	21,944	0	0
Department of Energy	5,736	0	0	0	5,476	0	260	0	0
Department of Health & Human Svcs	198,156	0	4,625	0	128,051	0	61,831	0	3,649
Department of the Interior	4,101	3,870	5	0	199	0	0	0	27
Department of Transportation	6,338	0	3,775	0	240	0	0	0	2,323
Environmental Protection Agency	18,028	10,916	5,102	0	1,885	0	0	0	125
National Aeronautics and Space Admin	7,422	0	3,981	0	3,024	0	417	0	0
National Science Foundation	36,442	0	1,387	0	34,881	0	174	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-83. Federal obligations for research and development, by State, agency, and performer: fiscal year 1995

[Dollars in thousands]

Page 7 of 14

State and agency	Total	Intra-mural ¹	Extramural						
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts
Mississippi, total	212,739	132,616	26,162	0	49,283	0	3,305	0	1,373
Department of Agriculture	50,877	36,399	0	0	13,740	0	738	0	0
Department of Commerce	7,552	6,451	0	0	1,066	0	0	0	35
Department of Defense, research ²	51,828	35,994	7,721	0	8,113	0	0	0	0
Department of Defense, total development ^{3,4}	46,051	32,006	10,543	0	3,502	0	0	0	0
Department of Energy	3,643	0	258	0	3,385	0	0	0	0
Department of Health & Human Svcs	12,032	0	100	0	11,309	0	232	0	391
Department of the Interior	2,520	2,442	0	0	78	0	0	0	0
Department of Transportation	2,091	1,103	0	0	41	0	0	0	947
Environmental Protection Agency	1,195	0	0	0	758	0	437	0	0
National Aeronautics and Space Admin	29,155	18,218	7,540	0	1,499	0	1,898	0	0
National Science Foundation	5,795	3	0	0	5,792	0	0	0	0
Missouri, total	1,613,322	55,445	1,303,721	0	232,766	0	17,723	0	3,667
Department of Agriculture	19,702	7,993	80	0	11,629	0	0	0	0
Department of Commerce	164	48	0	0	116	0	0	0	0
Department of Defense, research ²	25,764	1,718	15,825	0	8,221	0	0	0	0
Department of Defense, total development ^{3,4}	1,316,253	36,224	1,279,474	0	555	0	0	0	0
Department of Energy	5,234	10	0	0	4,889	0	335	0	0
Department of Health & Human Svcs	203,994	0	380	0	185,524	0	16,240	0	1,850
Department of the Interior	10,059	9,371	153	0	475	0	0	0	60
Department of Transportation	2,063	0	306	0	0	0	0	0	1,757
Environmental Protection Agency	1,434	0	801	0	439	0	194	0	0
National Aeronautics and Space Admin	11,873	0	6,329	0	5,544	0	0	0	0
National Science Foundation	16,782	81	373	0	15,374	0	954	0	0
Montana, total	64,821	33,553	6,346	0	21,239	0	1,677	0	2,006
Department of Agriculture	15,367	9,792	60	0	5,376	0	139	0	0
Department of Commerce	2,084	0	2,084	0	0	0	0	0	0
Department of Defense, research ²	2,414	357	40	0	2,017	0	0	0	0
Department of Defense, total development ^{3,4}	6,969	5,735	1,142	0	92	0	0	0	0
Department of Energy	4,847	195	2,264	0	1,288	0	285	0	815
Department of Health & Human Svcs	17,503	12,400	50	0	3,667	0	1,205	0	181
Department of the Interior	5,541	5,074	80	0	387	0	0	0	0
Department of Transportation	1,010	0	0	0	0	0	0	0	1,010
Environmental Protection Agency	205	0	0	0	205	0	0	0	0
National Aeronautics and Space Admin	2,255	0	561	0	1,694	0	0	0	0
National Science Foundation	6,626	0	65	0	6,513	0	48	0	0
Nebraska, total	86,762	23,132	4,011	0	52,549	0	5,754	0	1,316
Department of Agriculture	25,797	17,206	0	0	8,491	0	100	0	0
Department of Commerce	30	0	0	0	30	0	0	0	0
Department of Defense, research ²	4,570	1,130	414	0	3,026	0	0	0	0
Department of Defense, total development ^{3,4}	5,636	1,562	2,262	0	1,308	0	504	0	0
Department of Energy	6,217	0	210	0	6,007	0	0	0	0
Department of Health & Human Svcs	27,554	0	932	0	20,950	0	5,150	0	522
Department of the Interior	3,809	3,234	0	0	527	0	0	0	48
Department of Transportation	746	0	0	0	0	0	0	0	746
Environmental Protection Agency	79	0	0	0	79	0	0	0	0
National Aeronautics and Space Admin	1,919	0	149	0	1,770	0	0	0	0
National Science Foundation	10,405	0	44	0	10,361	0	0	0	0

See explanatory information, if any, and SOURCE at end of table

Table C-83. Federal obligations for research and development, by State, agency, and performer: fiscal year 1995

[Dollars in thousands]

Page 8 of 14

State and agency	Total	Intra-mural ¹	Extramural						
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts
Nevada, total	372,570	34,669	313,505	0	22,107	0	1,457	0	832
Department of Agriculture	3,160	880	0	0	2,244	0	36	0	0
Department of Commerce	728	0	16	0	712	0	0	0	0
Department of Defense, research ²	12,927	7,777	4,725	0	425	0	0	0	0
Department of Defense, total development ^{3,4}	6,684	4,653	1,953	0	78	0	0	0	0
Department of Energy	298,870	10	295,590	0	3,195	0	75	0	0
Department of Health & Human Svcs	6,245	0	0	0	4,656	0	1,346	0	243
Department of the Interior	11,738	10,420	0	0	1,318	0	0	0	0
Department of Transportation	10,106	0	9,268	0	249	0	0	0	589
Environmental Protection Agency	12,583	10,894	753	0	936	0	0	0	0
National Aeronautics and Space Admin	1,949	35	953	0	961	0	0	0	0
National Science Foundation	7,580	0	247	0	7,333	0	0	0	0
New Hampshire, total	213,647	30,902	121,212	0	59,179	0	1,722	0	632
Department of Agriculture	4,587	2,326	10	0	2,248	0	0	0	3
Department of Commerce	15,858	0	14,741	0	1,077	0	0	0	40
Department of Defense, research ²	33,545	15,400	15,040	0	3,105	0	0	0	0
Department of Defense, total development ^{3,4}	96,766	8,705	85,481	0	1,495	0	1,085	0	0
Department of Energy	1,335	0	0	0	1,281	0	54	0	0
Department of Health & Human Svcs	35,525	0	2,427	0	32,427	0	558	0	113
Department of the Interior	1,300	1,087	0	0	213	0	0	0	0
Department of Transportation	2,594	1,741	377	0	25	0	0	0	451
Environmental Protection Agency	500	0	0	0	500	0	0	0	0
National Aeronautics and Space Admin	12,422	132	2,908	0	9,332	0	25	0	25
National Science Foundation	9,215	1,511	228	0	7,476	0	0	0	0
New Jersey, total	1,325,902	343,667	630,884	0	215,220	115,284	11,332	4,130	5,385
Department of Agriculture	7,235	548	159	0	6,528	0	0	0	0
Department of Commerce	44,822	14,582	26,891	0	3,209	0	21	0	119
Department of Defense, research ²	136,820	69,591	37,511	0	29,505	0	213	0	0
Department of Defense, total development ^{3,4}	539,839	220,411	307,963	0	7,335	0	0	4,130	0
Department of Energy	157,547	0	18,254	0	23,825	115,178	290	0	0
Department of Health & Human Svcs	106,047	0	12,847	0	81,407	0	9,784	0	2,009
Department of the Interior	4,101	2,944	1,009	0	148	0	0	0	0
Department of Transportation	81,417	35,281	40,757	0	2,222	0	0	0	3,157
Environmental Protection Agency	8,228	0	313	0	7,700	0	115	0	100
National Aeronautics and Space Admin	189,885	235	182,017	0	7,145	0	488	0	0
National Science Foundation	49,961	75	3,163	0	46,196	106	421	0	0
New Mexico, total	1,987,076	481,047	226,496	635,692	92,493	534,882	6,218	7,417	2,831
Department of Agriculture	5,864	3,044	0	0	2,816	0	4	0	0
Department of Commerce	341	0	301	0	40	0	0	0	0
Department of Defense, research ²	116,404	54,386	21,922	11,034	19,117	9,875	70	0	0
Department of Defense, total development ^{3,4}	664,372	397,455	180,517	65,065	3,288	17,599	0	0	448
Department of Energy	1,066,387	0	6,249	558,818	3,006	489,485	2,181	6,648	0
Department of Health & Human Svcs	35,773	1,402	1,458	0	28,710	0	2,407	769	1,027
Department of the Interior	5,219	4,770	72	85	257	0	0	0	35
Department of Transportation	19,876	0	1,465	690	451	15,949	0	0	1,321
Environmental Protection Agency	2,304	0	1,535	0	460	0	309	0	0
National Aeronautics and Space Admin	56,080	19,350	11,806	0	23,906	812	206	0	0
National Science Foundation	14,456	640	1,171	0	10,442	1,162	1,041	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-83. Federal obligations for research and development, by State, agency, and performer: fiscal year 1995

[Dollars in thousands]

Page 9 of 14

State and agency	Total	Intra-mural ¹	Extramural						
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts
New York, total	2,581,383	117,250	947,675	0	1,026,807	203,873	202,749	0	83,029
Department of Agriculture	31,828	14,650	80	0	15,584	0	1,514	0	0
Department of Commerce	21,434	181	18,221	0	2,814	50	41	0	127
Department of Defense, research ²	176,950	37,978	65,790	0	70,723	637	1,822	0	0
Department of Defense, total development ^{3 4}	597,056	44,668	525,519	0	24,461	2,051	357	0	0
Department of Energy	572,819	14,000	293,116	0	53,623	199,269	12,811	0	0
Department of Health & Human Svcs	910,325	485	14,433	0	647,377	0	170,992	0	77,038
Department of the Interior	5,335	4,972	64	0	274	0	25	0	0
Department of Transportation	15,059	0	5,723	0	2,743	65	1,324	0	5,204
Environmental Protection Agency	7,333	0	2,130	0	4,087	0	968	0	148
National Aeronautics and Space Admin	43,481	316	18,658	0	23,120	353	976	0	58
National Science Foundation	199,763	0	3,941	0	182,001	1,448	11,919	0	454
North Carolina, total	825,433	220,179	99,913	0	440,465	0	59,002	0	5,874
Department of Agriculture	32,586	16,903	80	0	15,574	0	19	0	10
Department of Commerce	18,415	5,387	6,796	0	5,680	0	74	0	478
Department of Defense, research ²	58,174	18,668	15,558	0	23,399	0	549	0	0
Department of Defense, total development ^{3 4}	78,574	34,594	32,479	0	9,819	0	1,682	0	0
Department of Energy	13,504	844	50	0	11,296	0	1,314	0	0
Department of Health & Human Svcs	434,731	68,595	15,207	0	310,668	0	37,036	0	3,225
Department of the Interior	3,645	3,265	95	0	285	0	0	0	0
Department of Transportation	6,418	0	1,654	0	2,438	0	250	0	2,076
Environmental Protection Agency	116,207	71,885	24,401	0	8,169	0	11,752	0	0
National Aeronautics and Space Admin	11,738	16	877	0	7,484	0	3,361	0	0
National Science Foundation	51,441	22	2,716	0	45,653	0	2,965	0	85
North Dakota, total	47,313	25,042	539	0	20,054	0	947	0	731
Department of Agriculture	25,321	19,372	80	0	5,869	0	0	0	0
Department of Commerce	289	0	9	0	280	0	0	0	0
Department of Defense, research ²	1,018	285	87	0	646	0	0	0	0
Department of Defense, total development ^{3 4}	337	34	74	0	229	0	0	0	0
Department of Energy	5,453	0	0	0	5,453	0	0	0	0
Department of Health & Human Svcs	2,947	0	0	0	2,147	0	660	0	140
Department of the Interior	5,445	5,351	16	0	78	0	0	0	0
Department of Transportation	1,145	0	7	0	260	0	267	0	591
Environmental Protection Agency	1,318	0	220	0	1,098	0	0	0	0
National Aeronautics and Space Admin	584	0	46	0	538	0	0	0	0
National Science Foundation	3,456	0	0	0	3,456	0	0	0	0
Ohio, total	1,811,413	599,044	810,049	0	326,720	0	71,914	0	3,686
Department of Agriculture	15,947	6,593	0	0	9,324	0	23	0	7
Department of Commerce	13,284	560	11,899	0	724	0	101	0	0
Department of Defense, research ²	310,473	169,909	87,960	0	47,777	0	4,827	0	0
Department of Defense, total development ^{3 4}	544,118	129,039	404,291	0	8,407	0	2,381	0	0
Department of Energy	47,590	0	40,358	0	7,163	0	28	0	41
Department of Health & Human Svcs	288,112	38,723	6,603	0	189,606	0	52,799	0	381
Department of the Interior	3,643	2,958	0	0	685	0	0	0	0
Department of Transportation	21,413	7,373	8,439	0	2,104	0	509	0	2,988
Environmental Protection Agency	58,993	43,139	8,220	0	5,409	0	1,992	0	233
National Aeronautics and Space Admin	470,914	200,750	241,328	0	19,626	0	9,174	0	36
National Science Foundation	36,926	0	951	0	35,895	0	80	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-83. Federal obligations for research and development, by State, agency, and performer: fiscal year 1995

[Dollars in thousands]

Page 10 of 14

State and agency	Total	Intra-mural ¹	Extramural						State and local govts
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by universities and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	
Oklahoma, total	159,395	45,104	55,518	0	47,519	0	9,289	0	1,965
Department of Agriculture	17,196	9,280	0	0	7,848	0	34	0	34
Department of Commerce	8,486	6,320	1,108	0	1,058	0	0	0	0
Department of Defense, research ²	5,558	2,241	225	0	3,092	0	0	0	0
Department of Defense, total development ^{3,4}	28,403	9,521	18,649	0	233	0	0	0	0
Department of Energy	37,972	1,833	32,009	0	4,130	0	0	0	0
Department of Health & Human Svcs	27,330	0	516	0	17,123	0	8,924	0	767
Department of the Interior	2,868	2,628	0	0	240	0	0	0	0
Department of Transportation	8,856	6,737	723	0	232	0	0	0	1,164
Environmental Protection Agency	8,880	6,207	2,288	0	385	0	0	0	0
National Aeronautics and Space Admin	1,132	337	0	0	760	0	35	0	0
National Science Foundation	12,714	0	0	0	12,418	0	296	0	0
Oregon, total	277,229	55,959	39,176	0	144,181	0	33,120	0	4,793
Department of Agriculture	37,438	21,277	0	0	15,933	0	190	0	38
Department of Commerce	13,681	9,197	2,493	0	1,933	0	0	0	58
Department of Defense, research ²	27,564	1,096	12,994	0	13,444	0	30	0	0
Department of Defense, total development ^{3,4}	11,325	370	8,869	0	2,086	0	0	0	0
Department of Energy	15,702	480	1,795	0	11,515	0	200	0	1,712
Department of Health & Human Svcs	101,921	0	6,879	0	62,181	0	31,559	0	1,302
Department of the Interior	13,529	13,321	19	0	189	0	0	0	0
Department of Transportation	2,128	0	0	0	995	0	0	0	1,133
Environmental Protection Agency	20,509	10,090	3,706	0	6,163	0	0	0	550
National Aeronautics and Space Admin	7,874	128	1,677	0	5,470	0	599	0	0
National Science Foundation	25,558	0	744	0	24,272	0	542	0	0
Pennsylvania, total	2,414,250	227,520	1,251,691	0	717,636	21,980	189,379	0	6,044
Department of Agriculture	39,353	29,389	80	0	9,857	0	20	0	7
Department of Commerce	13,774	414	12,592	0	350	0	370	0	48
Department of Defense, research ²	145,477	15,143	16,052	0	87,012	21,345	5,925	0	0
Department of Defense, total development ^{3,4}	999,974	110,775	811,771	0	25,247	635	51,546	0	0
Department of Energy	456,708	64,744	358,103	0	26,940	0	6,921	0	0
Department of Health & Human Svcs	568,929	20	10,719	0	453,136	0	104,530	0	524
Department of the Interior	6,057	5,085	397	0	547	0	28	0	0
Department of Transportation	14,483	0	5,680	0	1,989	0	1,350	0	5,464
Environmental Protection Agency	4,910	0	653	0	3,241	0	1,016	0	0
National Aeronautics and Space Admin	53,225	1,500	34,582	0	15,634	0	1,508	0	1
National Science Foundation	111,360	450	1,062	0	93,683	0	16,165	0	0
Rhode Island, total	515,425	254,302	179,292	0	62,738	0	16,767	0	2,326
Department of Agriculture	1,537	0	0	0	1,483	0	54	0	0
Department of Commerce	3,059	544	75	0	2,395	0	0	0	45
Department of Defense, research ²	21,765	10,471	272	0	10,899	0	123	0	0
Department of Defense, total development ^{3,4}	410,713	231,949	177,538	0	1,226	0	0	0	0
Department of Energy	2,283	0	0	0	2,268	0	15	0	0
Department of Health & Human Svcs	37,781	0	367	0	21,756	0	14,430	0	1,228
Department of the Interior	1,677	1,200	38	0	439	0	0	0	0
Department of Transportation	1,426	570	108	0	40	0	0	0	708
Environmental Protection Agency	10,362	9,273	364	0	725	0	0	0	0
National Aeronautics and Space Admin	4,338	295	523	0	3,050	0	470	0	0
National Science Foundation	20,484	0	7	0	18,457	0	1,675	0	345

See explanatory information, if any, and SOURCE at end of table.

Table C-83. Federal obligations for research and development, by State, agency, and performer: fiscal year 1995

[Dollars in thousands]

Page 11 of 14

State and agency	Total	Intra-mural ¹	Extramural						
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts
South Carolina, total	177,962	34,441	41,168	29,858	65,741	0	2,732	0	4,022
Department of Agriculture	15,236	8,766	0	0	6,470	0	0	0	0
Department of Commerce	40,099	12,424	23,731	0	3,441	0	350	0	153
Department of Defense, research ²	6,650	1,035	10	23	5,545	0	37	0	0
Department of Defense, total development ^{3 4}	28,337	9,492	16,030	0	1,415	0	1,400	0	0
Department of Energy	38,134	0	55	29,835	8,192	0	52	0	0
Department of Health & Human Svcs	33,776	50	1,016	0	29,450	0	655	0	2,605
Department of the Interior	2,784	2,674	10	0	100	0	0	0	0
Department of Transportation	1,431	0	0	0	373	0	0	0	1,058
Environmental Protection Agency	465	0	0	0	465	0	0	0	0
National Aeronautics and Space Admin	2,420	0	123	0	1,885	0	206	0	206
National Science Foundation	8,630	0	193	0	8,405	0	32	0	0
South Dakota, total	26,492	13,428	2,737	0	8,392	0	847	0	1,088
Department of Agriculture	5,518	2,495	0	0	3,023	0	0	0	0
Department of Commerce	10	0	0	0	10	0	0	0	0
Department of Defense, research ²	290	285	5	0	0	0	0	0	0
Department of Defense, total development ^{3 4}	76	50	26	0	0	0	0	0	0
Department of Energy	80	0	0	0	80	0	0	0	0
Department of Health & Human Svcs	2,745	562	335	0	581	0	847	0	420
Department of the Interior	5,838	3,549	2,051	0	238	0	0	0	0
Department of Transportation	668	0	0	0	0	0	0	0	668
National Aeronautics and Space Admin	7,760	6,487	255	0	1,018	0	0	0	0
National Science Foundation	3,507	0	65	0	3,442	0	0	0	0
Tennessee, total	581,956	62,100	34,700	278,132	167,951	16,940	19,875	0	2,258
Department of Agriculture	9,249	160	0	0	9,089	0	0	0	0
Department of Commerce	1,115	1,005	41	0	69	0	0	0	0
Department of Defense, research ²	20,279	5,799	1,964	1,631	10,846	39	0	0	0
Department of Defense, total development ^{3 4}	62,446	46,216	6,787	7,882	1,561	0	0	0	0
Department of Energy	299,627	503	11,058	267,663	6,073	14,330	0	0	0
Department of Health & Human Svcs	142,131	1,330	2,540	528	117,293	600	19,508	0	332
Department of the Interior	3,074	2,751	35	0	245	0	0	0	43
Department of Transportation	3,300	942	53	418	191	0	0	0	1,696
Environmental Protection Agency	1,101	0	208	0	893	0	0	0	0
National Aeronautics and Space Admin	23,667	3,394	11,156	0	6,736	1,919	367	0	95
National Science Foundation	15,967	0	858	10	14,955	52	0	0	92
Texas, total	4,062,175	537,508	2,701,709	0	649,159	0	163,001	860	9,938
Department of Agriculture	61,417	43,582	160	0	17,502	0	145	0	28
Department of Commerce	17,214	2,586	12,464	0	1,769	0	79	0	316
Department of Defense, research ²	130,131	52,178	29,924	0	45,063	0	2,966	0	0
Department of Defense, total development ^{3 4}	1,260,642	94,172	1,030,035	0	35,121	0	100,454	860	0
Department of Energy	69,130	0	40,103	0	28,155	0	872	0	0
Department of Health & Human Svcs	443,460	275	8,901	0	398,347	0	33,585	0	2,352
Department of the Interior	9,248	7,254	131	0	1,863	0	0	0	0
Department of Transportation	17,447	0	8,861	0	1,825	0	307	0	6,454
Environmental Protection Agency	16,939	0	7,350	0	8,442	0	1,015	0	132
National Aeronautics and Space Admin	1,956,953	337,461	1,562,001	0	34,312	0	23,179	0	0
National Science Foundation	79,594	0	1,779	0	76,760	0	399	0	656

See explanatory information, if any, and SOURCE at end of table.

Table C-83. Federal obligations for research and development, by State, agency, and performer: fiscal year 1995

[Dollars in thousands]

Page 12 of 14

State and agency	Total	Intra-mural ¹	Extramural						
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts
Utah, total	371,208	131,138	98,522	0	128,347	0	7,730	0	5,471
Department of Agriculture	13,369	7,901	0	0	5,466	0	0	0	2
Department of Commerce	4,409	0	3,963	0	180	0	0	0	266
Department of Defense, research ²	26,045	4,630	11,493	0	9,922	0	0	0	0
Department of Defense, total development ^{3,4}	200,889	113,167	75,132	0	12,590	0	0	0	0
Department of Energy	16,798	0	756	0	6,936	0	5,194	0	3,912
Department of Health & Human Svcs	72,831	0	4,231	0	65,836	0	2,379	0	385
Department of the Interior	5,621	5,233	91	0	297	0	0	0	0
Department of Transportation	1,417	0	34	0	477	0	0	0	906
Environmental Protection Agency	1,259	0	379	0	880	0	0	0	0
National Aeronautics and Space Admin	6,762	207	1,943	0	4,455	0	157	0	0
National Science Foundation	21,808	0	500	0	21,308	0	0	0	0
Vermont, total	53,590	4,702	13,358	0	33,514	0	1,413	0	603
Department of Agriculture	5,785	1,598	0	0	4,175	0	12	0	0
Department of Commerce	45	0	0	0	45	0	0	0	0
Department of Defense, research ²	2,418	689	597	0	1,132	0	0	0	0
Department of Defense, total development ^{3,4}	11,155	755	10,288	0	112	0	0	0	0
Department of Energy	534	0	0	0	534	0	0	0	0
Department of Health & Human Svcs	26,937	0	1,376	0	24,027	0	1,401	0	133
Department of the Interior	1,804	1,660	66	0	78	0	0	0	0
Department of Transportation	419	0	0	0	0	0	0	0	419
Environmental Protection Agency	51	0	0	0	0	0	0	0	51
National Aeronautics and Space Admin	663	0	574	0	89	0	0	0	0
National Science Foundation	3,779	0	457	0	3,322	0	0	0	0
Virginia, total	3,603,023	1,580,530	1,534,313	0	206,554	59,031	41,651	177,472	3,472
Department of Agriculture	12,129	787	0	0	10,074	0	1,177	0	91
Department of Commerce	36,758	5,384	27,404	0	3,801	0	50	0	119
Department of Defense, research ²	346,911	107,903	204,961	0	22,786	0	1,309	9,952	0
Department of Defense, total development ^{3,4}	2,202,645	1,136,286	892,538	0	9,006	0	6,647	158,168	0
Department of Energy	93,285	9,704	12,364	0	7,257	59,031	4,929	0	0
Department of Health & Human Svcs	146,354	1,306	36,964	0	98,639	0	8,209	0	1,236
Department of the Interior	51,152	40,663	9,873	0	567	0	49	0	0
Department of Transportation	55,657	9,592	32,991	0	1,728	0	250	9,088	2,008
Environmental Protection Agency	33,901	0	31,853	0	1,165	0	883	0	0
National Aeronautics and Space Admin	563,187	267,607	265,384	0	20,846	0	9,332	0	18
National Science Foundation	61,044	1,298	19,981	0	30,685	0	8,816	264	0
Washington, total	1,127,750	159,837	329,654	0	330,375	0	95,900	204,972	7,012
Department of Agriculture	36,622	21,057	0	0	15,386	0	0	0	179
Department of Commerce	58,453	54,119	1,975	0	2,212	0	0	0	147
Department of Defense, research ²	61,155	4,036	34,822	0	19,556	0	1,752	989	0
Department of Defense, total development ^{3,4}	285,175	66,291	199,512	0	17,105	0	578	1,689	0
Department of Energy	231,267	559	17,787	0	17,835	0	103	194,003	980
Department of Health & Human Svcs	308,384	17	8,540	0	198,756	0	90,090	7,088	3,893
Department of the Interior	14,880	12,570	47	0	2,263	0	0	0	0
Department of Transportation	4,378	0	943	0	733	0	118	1,203	1,381
Environmental Protection Agency	2,145	0	52	0	861	0	900	0	332
National Aeronautics and Space Admin	77,434	1,188	64,023	0	11,897	0	326	0	0
National Science Foundation	47,857	0	1,953	0	43,771	0	2,033	0	100

See explanatory information, if any, and SOURCE at end of table

Table C-83. Federal obligations for research and development, by State, agency, and performer: fiscal year 1995

[Dollars in thousands]

Page 13 of 14

State and agency	Total	Intra-mural ¹	Extramural						
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts
West Virginia, total	296,347	139,595	83,116	0	35,132	29,597	5,999	0	2,908
Department of Agriculture	20,837	15,777	0	0	3,743	0	1,197	0	120
Department of Commerce	153	0	0	0	153	0	0	0	0
Department of Defense, research ²	1,725	285	7	0	1,433	0	0	0	0
Department of Defense, total development ^{3,4}	15,289	6,453	4,303	0	148	0	4,385	0	0
Department of Energy	134,360	58,324	70,674	0	5,362	0	0	0	0
Department of Health & Human Svcs	59,614	51,434	97	0	6,472	0	297	0	1,314
Department of the Interior	6,377	6,262	22	0	93	0	0	0	0
Department of Transportation	2,611	0	1,291	0	125	0	0	0	1,195
Environmental Protection Agency	10	0	0	0	0	0	10	0	0
National Aeronautics and Space Admin	22,831	1,060	6,722	0	14,939	0	110	0	0
National Science Foundation	32,540	0	0	0	2,664	29,597	0	0	279
Wisconsin, total	347,089	40,344	35,934	0	260,374	0	6,720	0	3,717
Department of Agriculture	34,643	23,843	404	0	10,351	0	10	0	35
Department of Commerce	5,144	625	2,381	0	2,138	0	0	0	0
Department of Defense, research ²	25,364	434	6,395	0	18,535	0	0	0	0
Department of Defense, total development ^{3,4}	5,581	537	2,608	0	2,436	0	0	0	0
Department of Energy	19,040	240	0	0	18,800	0	0	0	0
Department of Health & Human Svcs	161,351	0	1,797	0	150,985	0	6,623	0	1,946
Department of the Interior	12,607	12,246	0	0	292	0	0	0	69
Department of Transportation	5,587	2,419	515	0	1,091	0	0	0	1,562
Environmental Protection Agency	2,010	0	0	0	1,905	0	0	0	105
National Aeronautics and Space Admin	35,932	0	21,737	0	14,108	0	87	0	0
National Science Foundation	39,830	0	97	0	39,733	0	0	0	0
Wyoming, total	35,151	8,669	223	0	12,680	0	12,628	0	951
Department of Agriculture	6,556	4,603	0	0	1,935	0	18	0	0
Department of Commerce	57	0	0	0	0	0	0	0	57
Department of Defense, research ²	2,028	285	4	0	1,739	0	0	0	0
Department of Defense, total development ^{3,4}	126	42	9	0	75	0	0	0	0
Department of Energy	5,268	0	55	0	1,213	0	3,950	0	50
Department of Health & Human Svcs	1,097	0	0	0	815	0	50	0	232
Department of the Interior	4,089	3,739	0	0	350	0	0	0	0
Department of Transportation	9,222	0	0	0	0	0	8,610	0	612
Environmental Protection Agency	477	0	0	0	477	0	0	0	0
National Aeronautics and Space Admin	806	0	55	0	751	0	0	0	0
National Science Foundation	5,425	0	100	0	5,325	0	0	0	0
Outlying areas, total	165,665	96,041	684	0	59,266	7,669	186	0	1,819
Department of Agriculture	13,088	5,176	0	0	7,876	0	36	0	0
Department of Commerce	1,636	1,083	0	0	320	0	0	0	233
Department of Defense, research ²	733	0	322	0	411	0	0	0	0
Department of Defense, total development ^{3,4}	7,779	7,342	362	0	75	0	0	0	0
Department of Energy	32	0	0	0	32	0	0	0	0
Department of Health & Human Svcs	23,020	0	0	0	21,709	0	150	0	1,161
Department of the Interior	102,821	82,440	0	0	20,381	0	0	0	0
Department of Transportation	468	0	0	0	43	0	0	0	425
Environmental Protection Agency	165	0	0	0	165	0	0	0	0
National Aeronautics and Space Admin	3,513	0	0	0	3,513	0	0	0	0
National Science Foundation	12,410	0	0	0	4,741	7,669	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-83. Federal obligations for research and development, by State, agency, and performer: fiscal year 1995

[Dollars in thousands]

Page 14 of 14

State and agency	Total	Intra-mural ¹	Extramural						
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts
Puerto Rico, total	46,657	7,163	0	0	29,999	7,669	186	0	1,640
Department of Agriculture	9,316	5,176	0	0	4,104	0	36	0	0
Department of Commerce	400	0	0	0	320	0	0	0	80
Department of Defense, research ²	159	0	0	0	159	0	0	0	0
Department of Energy	32	0	0	0	32	0	0	0	0
Department of Health & Human Svcs	21,915	0	0	0	20,630	0	150	0	1,135
Department of the Interior	2,065	1,987	0	0	78	0	0	0	0
Department of Transportation	468	0	0	0	43	0	0	0	425
Environmental Protection Agency	165	0	0	0	165	0	0	0	0
National Science Foundation	12,137	0	0	0	4,468	7,669	0	0	0
Other areas, total	119,008	88,878	684	0	29,267	0	0	0	179
Department of Agriculture	3,772	0	0	0	3,772	0	0	0	0
Department of Commerce	1,236	1,083	0	0	0	0	0	0	153
Department of Defense, research ²	574	0	322	0	252	0	0	0	0
Department of Defense, total development ^{3 4}	7,779	7,342	362	0	75	0	0	0	0
Department of Health & Human Svcs	1,105	0	0	0	1,079	0	0	0	26
Department of the Interior	100,756	80,453	0	0	20,303	0	0	0	0
National Aeronautics and Space Admin	3,513	0	0	0	3,513	0	0	0	0
National Science Foundation	273	0	0	0	273	0	0	0	0
Offices abroad, total	48,019	18,265	24,911	0	1,210	0	3,012	0	621
Department of Agriculture	3,770	3,770	0	0	0	0	0	0	0
Department of Defense, research ²	5,272	4,061	0	0	1,210	0	1	0	0
Department of Defense, total development ^{3 4}	36,145	8,234	24,911	0	0	0	3,000	0	0
Department of Energy	2,200	2,200	0	0	0	0	0	0	0
Department of Health & Human Svcs	11	0	0	0	0	0	11	0	0
National Aeronautics and Space Admin	621	0	0	0	0	0	0	0	621

¹ Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

² Beginning with Vol. 40, Department of Defense (DoD) research is reported separately from DoD development. DoD states that more than 90 percent of its development reported for "universities and colleges" is performed at off-campus, university-affiliated laboratories that are not involved in teaching.

³ Beginning with Vol. 44, Department of Defense development obligations are reported in two categories: advanced technology and major systems. Geographic data for these categories are not reported; therefore, this table shows only total development.

⁴ Not all Department of Defense (DoD) agencies with development obligations are able to categorize these obligations according to the advanced technology and major systems development breakdown. Therefore, total DoD development does not equal the sum of total DoD advanced technology development and total DoD major systems development.

NOTE: Only the following 10 agencies are required to report to this section of the survey: the Departments of Agriculture, Commerce, Defense, Energy, Interior, Transportation, and Health and Human Services; the Environmental Protection Agency; the National Aeronautics and Space Administration; and the National Science Foundation. The obligations of the 10 major R&D supporting agencies included in this table represent approximately 98 percent of total Federal R&D and R&D plant obligations in fiscal year 1995.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

BEST COPY AVAILABLE

**Table C-84. Federal obligations for R&D plant, by State and category of performer supported:
fiscal year 1995**

[Dollars in thousands]

Page 1 of 1

State	Total	Intra- mural ¹	Extramural						
			Indus- trial firms	FFRDCs admin- by indus- trial firms	Univer- sities and colleges	FFRDCs admin- by univs and colleges	Other nonprofit institu- tions	FFRDCs admin- by non- profit institu- tions	State and local govts
Total	2,215,583	469,356	696,468	95,143	321,986	543,888	25,594	62,623	525
Alabama	44,091	479	39,821	0	3,791	0	0	0	0
Alaska	1,361	69	0	0	1,292	0	0	0	0
Arizona	42,678	407	704	0	567	41,000	0	0	0
Arkansas	3,922	607	0	0	3,315	0	0	0	0
California	414,792	8,024	151,809	1,151	107,502	144,806	1,500	0	0
Colorado	31,232	2,030	1,018	0	9,532	7,982	3,537	7,133	0
Connecticut	5,178	389	0	0	4,264	0	0	0	525
Delaware	1,885	405	33	0	1,447	0	0	0	0
District of Columbia	3,042	1,963	494	0	201	0	384	0	0
Florida	41,505	3,616	36,106	0	1,783	0	0	0	0
Georgia	12,360	2,286	165	0	9,909	0	0	0	0
Hawaii	498	230	0	0	268	0	0	0	0
Idaho	8,871	1,334	5,800	1,192	545	0	0	0	0
Illinois	190,203	3,495	341	0	17,560	168,807	0	0	0
Indiana	4,783	332	5	0	4,446	0	0	0	0
Iowa	15,497	12,442	0	0	408	2,647	0	0	0
Kansas	1,189	362	530	0	297	0	0	0	0
Kentucky	4,714	9	23	0	4,682	0	0	0	0
Louisiana	21,552	3,334	16,976	0	1,242	0	0	0	0
Maine	735	9	0	0	89	0	637	0	0
Maryland	390,364	301,779	82,574	0	6,011	0	0	0	0
Massachusetts	23,102	1,442	84	0	15,515	0	6,061	0	0
Michigan	4,615	172	0	0	4,443	0	0	0	0
Minnesota	5,078	1,867	1,095	0	2,116	0	0	0	0
Mississippi	36,602	7,650	25,966	0	2,986	0	0	0	0
Missouri	4,564	12	2,634	0	1,184	0	734	0	0
Montana	4,920	2,316	0	0	2,604	0	0	0	0
Nebraska	2,317	1,749	17	0	551	0	0	0	0
Nevada	38,459	10	37,856	0	593	0	0	0	0
New Hampshire	19	19	0	0	0	0	0	0	0
New Jersey	35,332	21,783	4,629	0	6,020	2,900	0	0	0
New Mexico	133,766	5,846	8,363	63,603	2,941	52,726	0	287	0
New York	159,094	5,137	14,148	0	25,802	109,621	4,386	0	0
North Carolina	25,785	18,037	2,129	0	5,619	0	0	0	0
North Dakota	4,859	879	0	0	3,980	0	0	0	0
Ohio	147,550	37,958	108,106	0	1,486	0	0	0	0
Oklahoma	2,800	826	314	0	1,660	0	0	0	0
Oregon	5,185	1,052	0	0	4,133	0	0	0	0
Pennsylvania	35,414	4,050	6,979	0	17,641	0	6,744	0	0
Rhode Island	7,342	9	0	0	7,333	0	0	0	0
South Carolina	2,717	373	771	190	1,383	0	0	0	0
South Dakota	4,326	84	4,242	0	0	0	0	0	0
Tennessee	37,067	1,059	668	29,007	4,479	1,854	0	0	0
Texas	84,339	4,193	72,664	0	7,482	0	0	0	0
Utah	5,252	609	808	0	3,835	0	0	0	0
Vermont	9	9	0	0	0	0	0	0	0
Virginia	81,199	3,086	64,027	0	730	11,545	1,611	200	0
Washington	64,319	1,172	397	0	7,747	0	0	55,003	0
West Virginia	5,424	1,111	3,917	0	396	0	0	0	0
Wisconsin	9,573	665	255	0	8,653	0	0	0	0
Wyoming	1,488	341	0	0	1,147	0	0	0	0
Outlying areas	1,351	975	0	0	376	0	0	0	0
Puerto Rico	273	160	0	0	113	0	0	0	0
Other areas	1,078	815	0	0	263	0	0	0	0
Offices abroad	1,264	1,264	0	0	0	0	0	0	0

¹ Federal installations

NOTE: Only the following 10 agencies are required to report to this section of the survey: the Departments of Agriculture, Commerce, Defense, Energy, Interior, Transportation, and Health and Human Services; the Environmental Protection Agency; the National Aeronautics and Space Administration; and the National Science Foundation. The obligations of the 10 major R&D supporting agencies included in this table represent approximately 98 percent of total Federal R&D obligations in fiscal year 1995.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development, Fiscal Years 1995, 1996, and 1997

**Table C-85. Federal obligations for R&D plant, by State and agency:
fiscal year 1995**

[Dollars in thousands]

Page 1 of 1

State	Total	Dept of Agriculture	Dept of Commerce	Dept of Defense	Dept of Energy	Dept of Health & Human Services	Dept of the Interior	Dept of Transportation	EPA	NASA	National Science Foundation
Total	2,215,583	143,372	77,703	65,244	745,069	255,705	6,666	28,779	4,764	598,700	289,581
Alabama	44,091	743	0	51	0	2,236	0	0	0	40,012	1,049
Alaska	1,361	60	0	9	0	0	0	0	0	0	1,292
Arizona	42,678	398	0	411	0	0	0	0	0	302	41,567
Arkansas	3,922	2,462	0	9	0	398	0	0	0	0	1,053
California	414,792	7,904	0	994	153,470	550	0	0	0	141,803	110,071
Colorado	31,232	1,656	1,367	27	7,541	0	0	3,537	0	192	16,912
Connecticut	5,178	551	0	389	1,203	0	0	525	0	0	2,510
Delaware	1,885	1,474	0	42	0	0	299	0	0	0	70
District of Columbia	3,042	1,133	0	95	299	545	0	0	382	3	585
Florida	41,505	3,199	0	1,093	0	0	0	0	382	35,048	1,783
Georgia	12,360	4,808	0	60	0	0	0	0	0	114	7,378
Hawaii	498	212	0	9	268	0	0	0	0	9	0
Idaho	8,871	1,325	0	9	6,992	0	0	0	0	0	545
Illinois	190,203	6,477	0	211	169,297	723	0	0	0	0	13,495
Indiana	4,783	614	0	9	562	0	0	0	0	5	3,593
Iowa	15,497	12,433	0	9	2,722	0	0	0	0	0	333
Kansas	1,189	353	0	9	75	0	0	0	0	530	222
Kentucky	4,714	870	0	9	0	2,119	0	0	0	23	1,693
Louisiana	21,552	1,819	0	28	68	1,575	0	0	0	16,957	1,105
Maine	735	0	0	9	0	637	0	0	0	0	89
Maryland	390,364	9,639	76,336	9,292	150	213,601	0	0	0	77,801	3,545
Massachusetts	23,102	6,171	0	28	5,599	6,043	0	0	0	65	5,196
Michigan	4,615	157	0	866	404	0	0	0	0	0	3,188
Minnesota	5,078	1,858	0	15	112	0	0	0	0	1,089	2,004
Mississippi	36,602	8,571	0	288	19	0	0	0	0	26,134	1,590
Missouri	4,564	737	0	12	0	0	0	0	0	2,631	1,184
Montana	4,920	2,793	0	9	0	2,118	0	0	0	0	0
Nebraska	2,317	1,740	0	26	0	0	0	0	0	0	551
Nevada	38,459	244	0	16	37,849	0	0	0	0	0	350
New Hampshire	19	0	0	19	0	0	0	0	0	0	0
New Jersey	35,332	3,671	0	2,184	2,950	0	992	21,690	0	1,850	1,995
New Mexico	133,766	1,523	0	6,485	116,880	0	0	0	0	7,578	1,300
New York	159,094	8,555	0	72	126,611	3,704	0	0	0	0	20,152
North Carolina	25,785	2,743	0	67	313	17,861	0	0	2,000	87	2,714
North Dakota	4,859	4,435	0	9	0	0	0	0	0	0	415
Ohio	147,550	351	0	37,857	561	0	0	0	2,000	105,698	1,083
Oklahoma	2,800	1,005	0	9	490	0	0	0	0	0	1,296
Oregon	5,185	3,368	0	9	113	0	0	0	0	0	1,695
Pennsylvania	35,414	12,822	0	50	5,578	433	0	0	0	1,900	14,631
Rhode Island	7,342	6,055	0	9	25	0	0	0	0	0	1,253
South Carolina	2,717	364	0	9	291	0	0	0	0	771	1,282
South Dakota	4,326	75	0	37	0	0	4,214	0	0	0	0
Tennessee	37,067	2,380	0	9	30,996	0	0	0	0	1,583	2,099
Texas	84,339	3,657	0	789	221	0	0	0	0	72,984	6,688
Utah	5,252	533	0	1,081	50	662	0	0	0	178	2,748
Vermont	9	0	0	9	0	0	0	0	0	0	0
Virginia	81,199	0	0	424	11,545	0	1,161	3,027	0	62,701	2,341
Washington	64,319	5,623	0	12	57,147	0	0	0	0	397	1,140
West Virginia	5,424	802	0	9	4,217	0	0	0	0	0	396
Wisconsin	9,573	3,334	0	9	451	2,500	0	0	0	255	3,024
Wyoming	1,488	1,479	0	9	0	0	0	0	0	0	0
Outlying areas	1,351	185	0	790	0	0	0	0	0	0	376
Puerto Rico	273	160	0	0	0	0	0	0	0	0	113
Other areas	1,078	25	0	790	0	0	0	0	0	0	263
Offices abroad	1,264	11	0	1,253	0	0	0	0	0	0	0

NOTE: Only the following 10 agencies are required to report to this section of the survey: the Departments of Agriculture, Commerce, Defense, Energy, Interior, Transportation, and Health and Human Services, the Environmental Protection Agency, the National Aeronautics and Space Administration, and the National Science Foundation. The obligations of the 10 major R&D supporting agencies included in this table represent approximately 98 percent of total Federal R&D obligations in fiscal year 1995.

KEY: EPA = Environmental Protection Agency
NASA = National Aeronautics & Space Administration

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

Table C-86. Federal obligations for total research and development to intramural performers for personnel costs, by agency: fiscal years 1995, 1996, and 1997

[In thousands of dollars and percentages]

Page 1 of 4

Agency and subdivision	1995			Preliminary					
	Total	Personnel costs	Per- cent of total	1996			1997		
				Total	Personnel costs	Per- cent of total	Total	Personnel costs	Per- cent of total
Total, all agencies	17,342,745	8,192,141	47	16,897,048	8,107,554	48	16,403,688	8,093,057	49
Departments:									
Department of Agriculture, total	915,311	550,327	60	897,721	590,196	66	922,261	607,213	66
Agricultural Marketing Service	4,316	2,065	48	4,864	2,103	43	4,905	2,127	43
Agricultural Research Service ¹	648,886	353,997	55	643,354	374,239	58	662,818	394,377	60
Animal & Plant Hlth Inspection Svc	17,530	12,797	73	18,231	13,309	73	19,065	13,917	73
Cooperative State Research, Education, & Extension Service ²	19,034	11,341	60	18,824	12,070	64	19,336	12,395	64
Economic Research Service	50,644	37,890	75	51,249	38,622	75	53,065	39,389	74
Foreign Agricultural Service ³	343	343	100	1,067	1,067	100	1,067	1,067	100
Forest Service	167,674	126,000	75	152,168	141,960	93	153,954	137,000	89
Grain Inspection Packers & Stockyards Administration ⁴	1,484	1,306	88	2,797	2,461	88	2,830	2,490	88
Nat'l Agricultural Statistics Svc	3,844	3,042	79	3,767	2,965	79	3,821	3,051	80
Rural Business-Cooperative Svc ⁵	1,556	1,546	99	1,400	1,400	100	1,400	1,400	100
Department of Commerce, total	664,764	432,355	65	688,100	445,710	65	712,320	465,243	65
Bureau of the Census	4,856	3,465	71	7,074	4,423	63	7,074	4,423	63
Economic Development Admin	10	5	50	10	5	50	30	15	50
National Inst of Standards & Tech	211,048	126,728	60	219,873	136,130	62	225,611	142,012	63
Nat'l Oceanic & Atmospheric Admin	442,466	295,773	67	456,663	300,672	66	474,860	314,048	66
National Telecommunications & Information Administration	6,383	6,383	100	4,479	4,479	100	4,745	4,745	100
Office of the Secretary	1	1	100	1	1	100	0	0	0
Department of Defense, total	8,906,942	3,753,794	42	8,655,216	3,661,803	42	7,918,751	3,439,730	43
Department of the Army	2,409,830	1,237,925	51	2,251,886	1,332,577	59	2,276,797	1,296,459	57
Department of the Navy	3,355,575	1,414,088	42	3,193,588	1,362,004	43	2,850,081	1,231,974	43
Department of the Air Force	1,113,802	377,875	34	1,036,966	353,456	34	1,013,488	368,488	36
Defense Agencies, total	1,825,216	721,746	40	1,965,296	611,468	31	1,550,713	540,289	35
Ballistic Missile Defense Organization	440,855	137,451	31	537,666	127,077	24	456,947	130,122	28
Defense Advanced Research Projects Agency ⁶	386,284	281,724	73	341,748	248,009	73	310,692	223,674	72
Defense Information Systems Agency	18,471	9,878	53	15,711	10,233	65	17,591	10,856	62
Defense Logistics Agency	16,812	2,239	13	24,631	3,402	14	28,677	2,402	8
Defense Mapping Agency	4,672	2,658	57	3,569	1,999	56	9,592	5,372	56
Defense Nuclear Agency	55,862	5,585	10	43,551	4,354	10	47,860	4,785	10
Joint Staff	3,656	1	*	5,263	1	*	35,286	1	*
Special Operations Command	73,841	7,605	10	43,135	4,538	11	33,701	3,668	11
Washington Headquarters Svcs ⁷	824,763	274,605	33	950,022	211,855	22	610,367	159,409	26
Operational Test & Evaluation, Director	7,937	214	3	8,721	310	4	7,687	320	4
Test & Evaluation, Deputy Under Secretary of Defense	194,582	1,946	1	198,759	1,988	1	219,985	2,200	1

See explanatory information, if any, and SOURCE at end of table.

Table C-86. Federal obligations for total research and development to intramural performers for personnel costs, by agency: fiscal years 1995, 1996, and 1997

[In thousands of dollars and percentages]

Page 2 of 4

Agency and subdivision	1995			Preliminary					
	Total	Personnel costs	Per- cent of total	1996			1997		
				Total	Personnel costs	Per- cent of total	Total	Personnel costs	Per- cent of total
Department of Education	9,164	6,405	70	8,865	6,337	71	9,316	6,491	70
Department of Energy	490,665	114,880	23	416,157	105,222	25	507,294	106,469	21
Dept of Health & Human Svcs, total	2,484,935	1,180,354	48	2,239,555	1,201,705	54	2,362,142	1,264,551	54
Administration on Aging	854	577	68	854	577	68	341	231	68
Admin for Children & Families	240	240	100	180	180	100	380	380	100
Agy for Hlth Care Policy & Rsch	26,577	12,710	48	17,109	10,245	60	25,715	13,583	53
Centers for Disease Control & Prevention	275,498	234,173	85	281,294	239,100	85	319,294	271,400	85
Food & Drug Administration	153,932	138,539	90	153,932	138,539	90	153,932	138,539	90
Health Care Financing Admin	64	10	16	40	10	25	51	10	20
Health Resources & Services Admin	2,832	2,385	84	2,427	1,977	81	2,091	1,987	95
National Institutes of Health ⁸	2,010,548	779,639	39	1,780,171	808,129	45	1,856,788	835,671	45
Office of the Assistant Secretary for Health	29	29	100	48	48	100	50	50	100
Office of the Secretary	3,750	1,441	38	3,500	2,900	83	3,500	2,700	77
Social Security Administration ⁹	10,611	10,611	100	NA	NA	NA	NA	NA	NA
Dept of Housing & Urban Dvlpmnt	25,682	19,000	74	18,976	14,000	74	25,815	20,000	77
Department of the Interior, total	491,881	294,920	60	492,786	269,300	55	508,342	287,326	57
Bureau of Reclamation	7,075	3,519	50	5,566	2,907	52	7,566	3,868	51
Geological Survey ¹⁰	326,263	189,976	58	470,364	255,794	54	483,381	272,305	56
Minerals Management Service	5,943	3,422	58	7,731	3,797	49	7,809	3,901	50
National Biological Service ^{11 10}	143,483	91,248	64	NA	NA	NA	NA	NA	NA
National Park Service ¹¹	9,111	6,750	74	9,119	6,797	75	9,586	7,252	76
Office of the Secretary	6	5	83	6	5	83	0	0	0
Department of Justice, total	17,422	6,642	38	42,210	6,658	16	43,755	6,757	15
Bureau of Prisons	2,600	2,000	77	2,400	1,900	79	2,400	1,900	79
Drug Enforcement Administration	50	50	100	145	145	100	100	100	100
Federal Bureau of Investigation	10,937	4,228	39	36,784	4,272	12	34,829	4,317	12
Immigration & Naturalization Svc	40	40	100	40	40	100	40	40	100
Office of Justice Programs	3,795	324	9	2,841	301	11	6,386	400	6
Department of Labor, total	11,624	7,378	63	14,076	5,532	39	20,888	5,724	27
Bureau of Labor Statistics	3,779	1,446	38	8,200	2,144	26	12,600	2,203	17
Employment & Training Admin	2,744	1,356	49	1,550	1,425	92	1,459	1,459	100
Occupational Safety & Hlth Admin	1,286	1,286	100	935	935	100	1,029	1,029	100
Office of the Secretary	2,794	2,269	81	2,365	2	*	4,769	2	*
Pension Benefit Guaranty Corp	233	233	100	238	238	100	243	243	100
Pension & Welfare Benefits Admin	788	788	100	788	788	100	788	788	100
Department of State	402	402	100	405	405	100	405	405	100

See explanatory information, if any, and SOURCE at end of table

Table C-86. Federal obligations for total research and development to intramural performers for personnel costs, by agency: fiscal years 1995, 1996, and 1997

[In thousands of dollars and percentages]

Page 3 of 4

Agency and subdivision	1995			Preliminary					
	Total	Personnel costs	Per- cent of total	1996			1997		
				Total	Personnel costs	Per- cent of total	Total	Personnel costs	Per- cent of total
Department of Transportation, total	235,545	85,993	37	191,070	86,643	45	239,351	88,075	37
Coast Guard	14,000	5,471	39	14,226	5,550	39	14,040	5,458	39
Federal Aviation Administration	122,432	64,804	53	87,808	66,512	76	95,019	66,546	70
Federal Highway Administration	51,989	101	*	47,638	473	1	81,708	569	1
Federal Railroad Administration	15,602	1,962	13	12,468	2,015	16	15,101	1,971	13
Federal Transit Administration	4,232	2,212	52	2,634	2,164	82	2,630	2,130	81
Maritime Administration	723	487	67	0	0	0	454	242	53
National Highway Traffic Safety Administration	20,865	6,885	33	19,209	6,339	33	23,681	7,815	33
Office of the Secretary	2,901	2,616	90	2,897	2,025	70	2,808	1,768	63
Research & Special Programs Admin	2,801	1,455	52	4,190	1,565	37	3,910	1,576	40
Department of the Treasury, total	35,175	24,597	70	40,347	28,337	70	44,585	33,940	76
Bureau of Engraving & Printing	1,616	131	8	2,049	216	11	1,952	200	10
Internal Revenue Service	31,186	22,228	71	35,585	25,546	72	39,796	31,050	78
Office of Thrift Supervision	550	415	75	546	408	75	583	436	75
United States Customs Service	1,540	1,540	100	1,860	1,860	100	1,870	1,870	100
United States Mint	42	42	100	43	43	100	89	89	100
United States Secret Service ¹²	241	241	100	264	264	100	295	295	100
Department of Veterans Affairs	235,360	155,337	66	274,347	181,069	66	256,000	168,960	66
Other agencies:									
Advisory Commission on Intergovernmental Relations	1,413	893	63	1,402	850	61	0	0	0
Appalachian Regional Commission	100	100	100	100	100	100	100	100	100
Consumer Product Safety Commission	367	175	48	30	30	100	0	0	0
Environmental Protection Agency	224,639	224,639	100	186,185	186,185	100	236,633	236,633	100
Federal Communications Commission	2,268	2,268	100	2,819	2,819	100	2,749	2,749	100
Federal Trade Commission	564	395	70	981	697	71	1,034	724	70
International Development Cooperation Agency, total	61,948	46,331	75	36,567	27,863	76	21,249	15,981	75
Agency for International Development	61,948	46,331	75	36,567	27,863	76	21,249	15,981	75
Library of Congress	10,151	7,643	75	8,320	8,319	100	9,116	8,255	91
National Aeronautics & Space Admin	2,253,736	1,138,195	51	2,403,417	1,130,233	47	2,301,038	1,189,246	52
National Archives & Records Admin	120	120	100	120	120	100	120	120	100
National Science Foundation	17,343	12,140	70	20,061	14,043	70	18,942	13,259	70
Nuclear Regulatory Commission	15,463	11,549	75	13,872	10,968	79	13,760	11,271	82
Smithsonian Institution	124,000	80,600	65	125,400	81,510	65	136,800	88,920	65
Social Security Administration ⁹	NA	NA	NA	1,656	1,656	100	1,075	1,075	100
Tennessee Valley Authority	93,070	27,934	30	103,352	31,876	31	77,000	16,608	22

See explanatory information, if any, and SOURCE at end of table.

Table C-86. Federal obligations for total research and development to intramural performers for personnel costs, by agency: fiscal years 1995, 1996, and 1997

[In thousands of dollars and percentages]

Page 4 of 4

Agency and subdivision	1995			Preliminary					
	Total	Personnel costs	Per-cent of total	1996			1997		
				Total	Personnel costs	Per-cent of total	Total	Personnel costs	Per-cent of total
US Arms Control & Disarmament Agcy	250	50	20	90	18	20	200	40	20
United States Information Agency	289	5	2	150	5	3	136	5	4
US Internat'l Trade Commission	12,152	6,720	55	12,695	7,345	58	12,511	7,187	57

- ¹ The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.
- ² The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.
- ³ The Office of International Cooperation & Development became part of the Foreign Agricultural Service (FAS) in June 1994. Data reported for FAS include funds appropriated to International Cooperation & Development programs within FAS as of fiscal year 1994.
- ⁴ The Federal Grain Inspection Service was abolished on Oct. 20, 1994, and its functions were assumed by the Grain Inspection Packers & Stockyards Administration.
- ⁵ This agency's name changed from the Rural Business & Cooperative Development Service to the Rural Business-Cooperative Service on Jan. 30, 1996.
- ⁶ This agency's name changed to the Advanced Research Projects Agency on July 13, 1993, and it was changed back to Defense Advanced Research Projects Agency in February 1996.
- ⁷ Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services' submission as of Vol. 45.
- ⁸ Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.
- ⁹ As of Mar. 31, 1995, the Social Security Administration became an independent agency; it is no longer part of the Department of Health & Human Services.
- ¹⁰ As of fiscal year 1996, data for the National Biological Service (NBS) are included with the Geological Survey's submission, since NBS's funding comes from the Geological Survey's congressional appropriation.
- ¹¹ The National Biological Service's (NBS) name changed from the National Biological Survey on Jan. 5, 1995. As of fiscal year 1994, NBS performs all biological research activities formerly funded by the United States Fish & Wildlife Service and the National Park Service.
- ¹² The United States Secret Service was formerly listed as the Office of Protective Research.

NOTES: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

Increases in personnel costs are due to more complete reporting according to the National Science Foundation's definition of R&D, and not to actual increases in personnel costs.

Because of rounding, detail may not add to totals.

KEY: * = Percentage less than .05%

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

Table C-87. Federal obligations for total basic research to intramural performers for personnel costs, by agency: fiscal years 1995, 1996, and 1997

(In thousands of dollars and percentages)

Page 1 of 2

Agency and subdivision	1995			Preliminary					
	Total	Personnel costs	Per- cent of total	1996			1997		
				Total	Personnel costs	Per- cent of total	Total	Personnel costs	Per- cent of total
Total, all agencies	2,712,918	1,247,974	46	2,413,879	1,244,215	52	2,667,782	1,290,812	48
Departments									
Department of Agriculture, total	388,227	222,281	57	383,246	233,506	61	395,074	245,377	62
Agricultural Research Service ¹	350,399	190,722	54	347,410	202,088	58	357,921	212,963	60
Cooperative State Research, Education, & Extension Service ²	8,269	5,047	61	8,175	5,371	66	8,988	5,962	66
Economic Research Service	5,065	3,789	75	5,125	3,862	75	5,307	3,939	74
Foreign Agricultural Service ³	257	257	100	978	978	100	978	978	100
Forest Service	22,915	21,420	93	20,279	20,200	100	20,583	20,500	100
Nat'l Agricultural Statistics Svc	1,322	1,046	79	1,279	1,007	79	1,297	1,035	80
Department of Commerce, total	34,607	18,520	54	33,101	20,116	61	34,186	20,981	61
Bureau of the Census	312	212	68	307	236	77	307	236	77
National Inst of Standards & Tech	34,295	18,308	53	32,794	19,880	61	33,879	20,745	61
Department of Defense, total	320,441	144,629	45	272,544	125,607	46	292,703	134,322	46
Department of the Army	127,471	53,556	42	82,346	43,955	53	95,141	48,679	51
Department of the Navy	139,031	61,062	44	123,705	54,331	44	127,969	56,204	44
Department of the Air Force	31,235	22,531	72	55,444	22,146	40	57,971	22,699	39
Defense Agencies, total	22,704	7,480	33	11,049	5,175	47	11,622	6,740	58
Ballistic Missile Defense Organization	210	210	100	250	250	100	255	255	100
Defense Advanced Research Projects Agency ⁴	5,961	4,471	75	3,061	2,296	75	5,012	3,759	75
Washington Headquarters Svcs ⁵	16,533	2,799	17	7,738	2,629	34	6,355	2,726	43
Department of Education	197	129	65	149	99	66	155	102	66
Department of Energy	36,855	6,012	16	59,089	5,355	9	68,568	5,097	7
Dept of Health & Human Svcs, total	1,193,839	437,598	37	907,801	453,457	50	1,142,062	468,766	41
Administration on Aging	0	0	0	171	115	67	0	0	0
Health Resources & Services Admin	1,010	1,000	99	800	790	99	800	790	99
National Institutes of Health ⁶	1,192,829	436,598	37	906,830	452,552	50	1,141,262	467,976	41
Department of the Interior, total	50,216	30,542	61	49,533	26,800	54	51,076	28,662	56
Geological Survey ⁷	37,649	21,836	58	49,370	26,660	54	50,861	28,482	56
National Biological Service ^{8, 7}	12,255	8,456	69	NA	NA	NA	NA	NA	NA
National Park Service ⁸	312	250	80	163	140	86	215	180	84
Department of Justice, total	45	45	100	41	10	24	800	116	14
Office of Justice Programs	45	45	100	41	10	24	800	116	14
Department of Labor, total	2,279	246	11	6,400	704	11	11,300	1,243	11
Bureau of Labor Statistics	2,279	246	11	6,400	704	11	11,300	1,243	11
Department of State	67	67	100	70	70	100	70	70	100

See explanatory information, if any, and SOURCE at end of table

Table C-87. Federal obligations for total basic research to intramural performers for personnel costs, by agency: fiscal years 1995, 1996, and 1997

[In thousands of dollars and percentages]

Page 2 of 2

Agency and subdivision	1995			Preliminary					
	Total	Personnel costs	Per- cent of total	1996			1997		
				Total	Personnel costs	Per- cent of total	Total	Personnel costs	Per- cent of total
Department of Transportation, total	1	1	100	8	1	13	13	1	8
Federal Highway Administration	1	1	100	8	1	13	13	1	8
Department of the Treasury, total	41	6	15	53	5	9	29	3	10
Bureau of Engraving & Printing	41	6	15	53	5	9	29	3	10
Department of Veterans Affairs	12,390	8,177	66	14,372	9,486	66	13,654	9,012	66
Other agencies:									
Environmental Protection Agency	28,632	28,632	100	26,847	26,847	100	30,582	30,582	100
International Development Cooperation Agency, total	365	273	75	1,118	838	75	604	458	76
Agency for International Development	365	273	75	1,118	838	75	604	458	76
Library of Congress	512	386	75	442	441	100	458	417	91
National Aeronautics & Space Administration	494,548	252,679	51	502,309	238,479	47	471,238	243,795	52
National Science Foundation	16,666	11,667	70	19,566	13,692	70	18,410	12,888	70
Smithsonian Institution	124,000	80,600	65	125,400	81,510	65	136,800	88,920	65
Tennessee Valley Authority	8,990	5,484	61	11,790	7,192	61	0	0	0

¹ The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.

² The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.

³ The Office of International Cooperation & Development became part of the Foreign Agricultural Service (FAS) in June 1994. Data reported for FAS include funds appropriated to International Cooperation & Development programs within FAS as of fiscal year 1994.

⁴ This agency's name changed to the Advanced Research Projects Agency on July 13, 1993, and it was changed back to Defense Advanced Research Projects Agency in February 1996.

⁵ Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services' submission as of Vol 45.

⁶ Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.

⁷ As of fiscal year 1996, data for the National Biological Service (NBS) are included with the Geological Survey's submission, since NBS's funding comes from the Geological Survey's congressional appropriation.

⁸ The National Biological Service's (NBS) name changed from the National Biological Survey on Jan. 5, 1995. As of fiscal year 1994, NBS performs all biological research activities formerly funded by the United States Fish & Wildlife Service and the National Park Service.

NOTES: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

Increases in personnel costs are due to more complete reporting according to the National Science Foundation's definition of R&D, and not to actual increases in personnel costs.

Because of rounding, detail may not add to totals.

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

Table C-88. Federal obligations for total applied research to intramural performers for personnel costs, by agency: fiscal years 1995, 1996, and 1997

[In thousands of dollars and percentages]

Page 1 of 4

Agency and subdivision	1995			Preliminary					
	Total	Personnel costs	Per- cent of total	1996			1997		
				Total	Personnel costs	Per- cent of total	Total	Personnel costs	Per- cent of total
Total, all agencies	5,074,929	2,918,759	58	4,990,398	2,917,303	58	5,028,332	3,026,684	60
Departments									
Department of Agriculture, total	451,221	282,862	63	438,808	308,823	70	449,070	311,897	69
Agricultural Marketing Service	3,699	1,713	46	4,237	1,745	41	4,271	1,765	41
Agricultural Research Service ¹	246,576	135,020	55	244,475	142,211	58	251,872	149,864	60
Cooperative State Research, Education, & Extension Service ²	10,765	6,294	58	10,649	6,699	63	10,348	6,433	62
Economic Research Service	45,579	34,101	75	46,124	34,760	75	47,758	35,450	74
Foreign Agricultural Service ³	86	86	100	89	89	100	89	89	100
Forest Service	138,954	100,800	73	126,549	117,500	93	127,978	112,390	88
Grain Inspection Packers & Stockyards Administration ⁴	1,484	1,306	88	2,797	2,461	88	2,830	2,490	88
Nat'l Agricultural Statistics Svc	2,522	1,996	79	2,488	1,958	79	2,524	2,016	80
Rural Business-Cooperative Svc ⁵	1,556	1,546	99	1,400	1,400	100	1,400	1,400	100
Department of Commerce, total	558,301	369,312	66	582,374	380,956	65	604,814	399,687	66
Bureau of the Census	2,618	1,846	71	2,564	2,025	79	2,564	2,025	79
Economic Development Admin	10	5	50	10	5	50	30	15	50
National Inst of Standards & Tech	154,672	95,321	62	163,961	102,802	63	167,620	107,256	64
Nat'l Oceanic & Atmospheric Admin	394,617	265,756	67	411,359	271,644	66	429,855	285,646	66
National Telecommunications & Information Administration	6,383	6,383	100	4,479	4,479	100	4,745	4,745	100
Office of the Secretary	1	1	100	1	1	100	0	0	0
Department of Defense, total	1,243,191	684,680	55	1,129,487	653,377	58	1,073,274	640,792	60
Department of the Army	415,590	255,656	62	315,074	225,657	72	318,834	223,062	70
Department of the Navy	241,854	140,203	58	278,490	161,441	58	228,816	132,645	58
Department of the Air Force	359,088	211,596	59	371,220	211,629	57	367,665	229,870	63
Defense Agencies, total	226,659	77,225	34	164,703	54,650	33	157,959	55,215	35
Ballistic Missile Defense Organization	14,980	58	*	11,834	2,871	24	15,971	2,934	18
Defense Advanced Research Projects Agency ⁶	54,191	40,643	75	41,670	31,253	75	43,940	32,955	75
Defense Information Systems Agency	1,717	1	*	1,455	1	*	1,849	1	*
Defense Logistics Agency	7,062	1	*	7,981	1	*	7,785	1	*
Defense Nuclear Agency	47,118	4,711	10	35,962	3,596	10	41,405	4,140	10
Special Operations Command	22,883	644	3	12,491	352	3	8,627	243	3
Washington Headquarters Svcs ⁷	78,708	31,167	40	53,310	16,576	31	38,382	14,941	39

See explanatory information, if any, and SOURCE at end of table

Table C-88. Federal obligations for total applied research to intramural performers for personnel costs, by agency: fiscal years 1995, 1996, and 1997

[In thousands of dollars and percentages]

Page 2 of 4

Agency and subdivision	1995			Preliminary					
	Total	Personnel costs	Per- cent of total	1996			1997		
				Total	Personnel costs	Per- cent of total	Total	Personnel costs	Per- cent of total
Department of Education	6,947	4,771	69	6,479	4,558	70	6,808	4,664	69
Department of Energy	193,835	39,046	20	135,259	33,431	25	183,374	35,443	19
Dept of Health & Human Svcs, total	1,051,103	621,812	59	1,091,584	628,399	58	1,046,659	671,481	64
Administration on Aging	171	115	67	0	0	0	0	0	0
Admin for Children & Families	224	224	100	166	166	100	351	351	100
Agcy for Hlth Care Policy & Rsch	15,290	1,423	9	10,923	4,059	37	18,715	6,583	35
Centers for Disease Control & Prevention	275,498	234,173	85	281,294	239,100	85	319,294	271,400	85
Food & Drug Administration	153,932	138,539	90	153,932	138,539	90	153,932	138,539	90
Health Care Financing Admin	64	10	16	40	10	25	51	10	20
Health Resources & Services Admin	1,472	1,384	94	1,277	1,186	93	1,291	1,197	93
National Institutes of Health ⁸	590,091	233,892	40	640,452	242,439	38	549,525	250,701	46
Office of the Secretary	3,750	1,441	38	3,500	2,900	83	3,500	2,700	77
Social Security Administration ⁹	10,611	10,611	100	NA	NA	NA	NA	NA	NA
Dept of Housing & Urban Dvlpmnt	7,401	5,000	68	8,502	6,000	71	11,612	9,000	78
Department of the Interior, total	423,487	253,085	60	428,652	233,183	54	441,233	248,678	56
Bureau of Reclamation	5,082	3,049	60	4,058	2,435	60	5,655	3,393	60
Geological Survey ¹⁰	284,367	164,958	58	407,907	220,294	54	418,398	234,312	56
Minerals Management Service	5,943	3,422	58	7,731	3,797	49	7,809	3,901	50
National Biological Service ^{11 10}	119,296	75,156	63	NA	NA	NA	NA	NA	NA
National Park Service ¹¹	8,799	6,500	74	8,956	6,657	74	9,371	7,072	75
Department of Justice, total	2,923	1,817	62	3,285	1,762	54	5,076	1,770	35
Bureau of Prisons	2,068	1,600	77	1,900	1,500	79	1,900	1,500	79
Drug Enforcement Administration	0	0	0	45	45	100	50	50	100
Immigration & Naturalization Svc	40	40	100	40	40	100	40	40	100
Office of Justice Programs	815	177	22	1,300	177	14	3,086	180	6
Department of Labor, total	6,712	5,843	87	6,344	3,977	63	5,770	3,513	61
Bureau of Labor Statistics	1,500	1,200	80	1,800	1,440	80	1,300	960	74
Employment & Training Admin	1,144	650	57	850	760	89	681	681	100
Occupational Safety & Hlth Admin	1,286	1,286	100	935	935	100	1,029	1,029	100
Office of the Secretary	1,942	1,867	96	1,918	1	*	1,918	1	*
Pension Benefit Guaranty Corp	52	52	100	53	53	100	54	54	100
Pension & Welfare Benefits Admin	788	788	100	788	788	100	788	788	100
Department of State	335	335	100	335	335	100	335	335	100

See explanatory information, if any, and SOURCE at end of table.

Table C-88. Federal obligations for total applied research to intramural performers for personnel costs, by agency: fiscal years 1995, 1996, and 1997

[In thousands of dollars and percentages]

Page 3 of 4

Agency and subdivision	1995			Preliminary					
	Total	Personnel costs	Per- cent of total	1996			1997		
				Total	Personnel costs	Per- cent of total	Total	Personnel costs	Per- cent of total
Department of Transportation, total	133,863	29,796	22	113,600	32,718	29	147,964	35,440	24
Coast Guard	3,360	991	29	3,383	998	30	3,370	973	29
Federal Aviation Administration	42,444	17,700	42	31,819	21,053	66	35,608	22,029	62
Federal Highway Administration	50,744	75	*	46,406	461	1	65,662	561	1
Federal Railroad Administration	12,702	1,722	14	9,106	1,722	19	14,451	1,678	12
Federal Transit Administration	1,002	842	84	1,115	815	73	1,102	802	73
Maritime Administration	723	487	67	0	0	0	454	242	53
National Highway Traffic Safety Administration	20,865	6,885	33	19,209	6,339	33	23,681	7,815	33
Office of the Secretary	90	90	100	0	0	0	0	0	0
Research & Special Programs Admin	1,933	1,004	52	2,562	1,330	52	3,636	1,340	37
Department of the Treasury, total	29,215	21,351	73	34,116	24,636	72	38,341	30,148	79
Bureau of Engraving & Printing	1,099	92	8	1,107	122	11	1,095	114	10
Internal Revenue Service	27,285	20,563	75	32,139	23,782	74	36,298	29,233	81
Office of Thrift Supervision	550	415	75	546	408	75	583	436	75
United States Customs Service	40	40	100	60	60	100	70	70	100
United States Secret Service ¹²	241	241	100	264	264	100	295	295	100
Department of Veterans Affairs	205,416	135,574	66	238,591	157,470	66	221,670	146,302	66
Other agencies:									
Advisory Commission on Intergovernmental Relations	1,413	893	63	1,402	850	61	0	0	0
Appalachian Regional Commission	100	100	100	100	100	100	100	100	100
Environmental Protection Agency	134,954	134,954	100	116,595	116,595	100	136,639	136,639	100
Federal Communications Commission	2,268	2,268	100	2,819	2,819	100	2,749	2,749	100
Federal Trade Commission	564	395	70	981	697	71	1,034	724	70
International Development Cooperation Agency, total	56,781	42,450	75	33,197	25,346	76	18,969	14,269	75
Agency for International Development	56,781	42,450	75	33,197	25,346	76	18,969	14,269	75
Library of Congress	1,594	1,158	73	1,385	1,385	100	1,428	1,251	88
National Aeronautics & Space Admin	516,974	257,232	50	568,085	273,516	48	588,897	308,015	52
National Archives & Records Admin	120	120	100	120	120	100	120	120	100
National Science Foundation	677	473	70	495	351	71	532	371	70
Nuclear Regulatory Commission	15,463	11,549	75	13,872	10,968	79	13,760	11,271	82
Social Security Administration ⁹	NA	NA	NA	1,656	1,656	100	1,075	1,075	100
Tennessee Valley Authority	17,380	5,108	29	19,340	5,907	31	14,182	3,718	26

See explanatory information, if any, and SOURCE at end of table.

Table C-88. Federal obligations for total applied research to intramural performers for personnel costs, by agency: fiscal years 1995, 1996, and 1997

[In thousands of dollars and percentages]

Page 4 of 4

Agency and subdivision	1995			Preliminary					
	Total	Personnel costs	Per- cent of total	1996			1997		
				Total	Personnel costs	Per- cent of total	Total	Personnel costs	Per- cent of total
US Arms Control & Disarmament Agency	250	50	20	90	18	20	200	40	20
United States Information Agency	289	5	2	150	5	3	136	5	4
US Internat'l Trade Commission	12,152	6,720	55	12,695	7,345	58	12,511	7,187	57

- ¹ The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.
- ² The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.
- ³ The Office of International Cooperation & Development became part of the Foreign Agricultural Service (FAS) in June 1994. Data reported for FAS include funds appropriated to International Cooperation & Development programs within FAS as of fiscal year 1994.
- ⁴ The Federal Grain Inspection Service was abolished on Oct. 20, 1994, and its functions were assumed by the Grain Inspection Packers & Stockyards Administration.
- ⁵ This agency's name changed from the Rural Business & Cooperative Development Service to the Rural Business Cooperative Service on Jan. 30, 1996.
- ⁶ This agency's name changed to the Advanced Research Projects Agency on July 13, 1993, and it was changed back to Defense Advanced Research Projects Agency in February 1996.
- ⁷ Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services' submission as of Vol. 45.
- ⁸ Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.
- ⁹ As of Mar. 31, 1995, the Social Security Administration became an independent agency; it is no longer part of the Department of Health & Human Services.
- ¹⁰ As of fiscal year 1996, data for the National Biological Service (NBS) are included with the Geological Survey's submission, since NBS's funding comes from the Geological Survey's congressional appropriation.
- ¹¹ The National Biological Service's (NBS) name changed from the National Biological Survey on Jan. 5, 1995. As of fiscal year 1994, NBS performs all biological research activities formerly funded by the United States Fish & Wildlife Service and the National Park Service.
- ¹² The United States Secret Service was formerly listed as the Office of Protective Research.

NOTES: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

Increases in personnel costs are due to more complete reporting according to the National Science Foundation's definition of R&D, and not to actual increases in personnel costs.

Because of rounding, detail may not add to totals.

KEY: * = Percentage less than .05%

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

Table C-89. Federal obligations for total development to intramural performers for personnel costs, by agency: fiscal years 1995, 1996, and 1997

[In thousands of dollars and percentages]

Page 1 of 3

Agency and subdivision	1995			Preliminary					
	Total	Personnel costs	Per- cent of total	1996			1997		
				Total	Personnel costs	Per- cent of total	Total	Personnel costs	Per- cent of total
Total, all agencies	9,554,898	4,025,408	42	9,492,771	3,946,036	42	8,707,574	3,775,561	43
Departments:									
Department of Agriculture, total	75,863	45,184	60	75,667	47,867	63	78,117	49,939	64
Agricultural Marketing Service	617	352	57	627	358	57	634	362	57
Agricultural Research Service ¹	51,911	28,255	54	51,469	29,940	58	53,025	31,550	60
Animal & Plant Hlth Inspection Svc	17,530	12,797	73	18,231	13,309	73	19,065	13,917	73
Forest Service	5,805	3,780	65	5,340	4,260	80	5,393	4,110	76
Department of Commerce, total	71,856	44,523	62	72,625	44,638	61	73,320	44,575	61
Bureau of the Census	1,926	1,407	73	4,203	2,162	51	4,203	2,162	51
National Inst of Standards & Tech	22,081	13,099	59	23,118	13,448	58	24,112	14,011	58
Natl Oceanic & Atmospheric Admin	47,849	30,017	63	45,304	29,028	64	45,005	28,402	63
Department of Defense, total ²	7,343,310	2,924,485	40	7,253,185	2,882,819	40	6,552,774	2,664,616	41
Department of the Army	1,866,769	928,713	50	1,854,466	1,062,965	57	1,862,822	1,024,718	55
Department of the Navy	2,974,690	1,212,823	41	2,791,393	1,146,232	41	2,493,296	1,043,125	42
Department of the Air Force	723,479	143,748	20	610,302	119,681	20	587,852	115,919	20
Defense Agencies, total	1,575,853	637,041	40	1,789,544	551,643	31	1,381,132	478,334	35
Ballistic Missile Defense Organization	425,665	137,183	32	525,582	123,956	24	440,721	126,933	29
Defense Advanced Research Projects Agency ³	326,132	236,610	73	297,017	214,460	72	261,740	186,960	71
Defense Information Systems Agency	16,754	9,877	59	14,256	10,232	72	15,742	10,855	69
Defense Logistics Agency	9,750	2,238	23	16,650	3,401	20	20,892	2,401	11
Defense Mapping Agency	4,672	2,658	57	3,569	1,999	56	9,592	5,372	56
Defense Nuclear Agency	8,744	874	10	7,589	758	10	6,455	645	10
Joint Staff	3,656	1	*	5,263	1	*	35,286	1	*
Special Operations Command	50,958	6,961	14	30,644	4,186	14	25,074	3,425	14
Washington Headquarters Svcs ⁴	729,522	240,639	33	888,974	192,650	22	565,630	141,742	25
Operational Test & Evaluation, Director	7,937	214	3	8,721	310	4	7,687	320	4
Test & Evaluation, Deputy Under Secretary of Defense	194,582	1,946	1	198,759	1,988	1	219,985	2,200	1
Department of Defense, total advanced technology (at) ²	1,504,690	679,258	45	1,510,673	629,942	42	1,159,366	466,600	40
Department of the Army (at)	369,952	212,952	58	323,063	229,617	71	242,190	126,888	52
Department of the Navy (at)	176,220	64,743	37	215,306	79,103	37	169,611	62,315	37
Department of the Air Force (at)	158,681	40,120	25	125,895	26,882	21	132,857	30,480	23
Defense Agencies, total (at)	799,837	361,443	45	846,409	294,340	35	614,708	246,917	40
Ballistic Missile Defense Organization (at)	72,141	24,956	35	106,594	19,780	19	76,371	17,889	23
Defense Advanced Research Projects Agency (at) ³	291,399	218,549	75	260,919	195,689	75	221,117	165,837	75
Defense Logistics Agency (at)	6,765	117	2	13,967	1,001	7	18,162	1	*
Defense Nuclear Agency (at)	8,744	874	10	7,589	758	10	6,455	645	10
Joint Staff (at)	3,656	1	*	5,263	1	*	35,286	1	*
Special Operations Command (at)	19,365	2,645	14	12,870	1,758	14	10,531	1,438	14
Washington Headquarters Services (at) ⁴	397,767	114,301	29	439,207	75,353	17	246,786	61,106	25

See explanatory information, if any, and SOURCE at end of table

Table C-89. Federal obligations for total development to intramural performers for personnel costs, by agency: fiscal years 1995, 1996, and 1997

[In thousands of dollars and percentages]

Page 2 of 3

Agency and subdivision	1995			Preliminary					
	Total	Personnel costs	Per- cent of total	1996			1997		
				Total	Personnel costs	Per- cent of total	Total	Personnel costs	Per- cent of total
Department of Defense, total major systems (ms) ²	5,838,620	2,245,227	38	5,742,512	2,252,877	39	5,393,408	2,198,016	41
Department of the Army (ms)	1,496,817	715,761	48	1,531,403	833,348	54	1,620,632	897,830	55
Department of the Navy (ms)	2,798,470	1,148,080	41	2,576,087	1,067,129	41	2,323,685	980,810	42
Department of the Air Force (ms)	564,798	103,628	18	484,407	92,799	19	454,995	85,439	19
Defense Agencies, total (ms)	776,016	275,598	36	943,135	257,303	27	766,424	231,417	30
Ballistic Missile Defense Organization (ms)	353,524	112,227	32	418,988	104,176	25	364,350	109,044	30
Defense Advanced Research Projects Agency (ms) ³	34,733	18,061	52	36,098	18,771	52	40,623	21,123	52
Defense Information Systems Agency (ms)	16,754	9,877	59	14,256	10,232	72	15,742	10,856	69
Defense Logistics Agency (ms)	2,985	2,121	71	2,683	2,400	89	2,730	2,400	88
Defense Mapping Agency (ms)	4,672	2,658	57	3,569	1,999	56	9,592	5,372	56
Special Operations Command (ms)	31,593	4,316	14	17,774	2,428	14	14,543	1,987	14
Washington Headquarters Services (ms) ⁴	331,755	126,338	38	449,767	117,297	26	318,844	80,636	25
Operational Test & Evaluation Director (ms)	7,937	214	3	8,721	310	4	7,687	320	4
Test & Evaluation, Deputy Under Secretary of Defense (ms)	194,582	1,946	1	198,759	1,988	1	219,985	2,200	1
Department of Education	2,020	1,505	75	2,237	1,680	75	2,353	1,725	73
Department of Energy	259,975	69,822	27	221,809	66,436	30	255,352	65,929	26
Dept of Health & Human Svcs, total	239,993	120,944	50	240,170	119,849	50	173,421	124,304	72
Administration on Aging	683	462	68	683	462	68	341	231	68
Admin for Children & Families	16	16	100	14	14	100	29	29	100
Agcy for Hlth Care Policy & Rsch	11,287	11,287	100	6,186	6,186	100	7,000	7,000	100
Health Resources & Services Admin	350	1	*	350	1	*	0	0	0
National Institutes of Health ⁵	227,628	109,149	48	232,889	113,138	49	166,001	116,994	70
Office of the Assistant Secretary for Health	29	29	100	48	48	100	50	50	100
Dept of Housing & Urban Dvlpmnt	18,281	14,000	77	10,474	8,000	76	14,203	11,000	77
Department of the Interior, total	18,178	11,293	62	14,601	9,317	64	16,033	9,986	62
Bureau of Reclamation	1,993	470	24	1,508	472	31	1,911	475	25
Geological Survey ⁶	4,247	3,182	75	13,087	8,840	68	14,122	9,511	67
National Biological Service ⁷ ⁸	11,932	7,636	64	NA	NA	NA	NA	NA	NA
Office of the Secretary	6	5	83	6	5	83	0	0	0
Department of Justice, total	14,454	4,780	33	38,884	4,886	13	37,879	4,871	13
Bureau of Prisons	532	400	75	500	400	80	500	400	80
Drug Enforcement Administration	50	50	100	100	100	100	50	50	100
Federal Bureau of Investigation	10,937	4,228	39	36,784	4,272	12	34,829	4,317	12
Office of Justice Programs	2,935	102	3	1,500	114	8	2,500	104	4
Department of Labor, total	2,633	1,289	49	1,332	851	64	3,818	968	25
Employment & Training Admin	1,600	706	44	700	665	95	778	778	100
Office of the Secretary	852	402	47	447	1	*	2,851	1	*
Pension Benefit Guaranty Corp	181	181	100	185	185	100	189	189	100
Department of Transportation, total	101,681	56,196	55	77,462	53,924	70	91,374	52,634	58
Coast Guard	10,640	4,480	42	10,843	4,552	42	10,670	4,485	42
Federal Aviation Administration	79,988	47,104	59	55,989	45,459	81	59,411	44,517	75
Federal Highway Administration	1,244	25	2	1,224	11	1	16,033	7	*
Federal Railroad Administration	2,900	240	8	3,362	293	9	650	293	45
Federal Transit Administration	3,230	1,370	42	1,519	1,349	89	1,528	1,328	87
Office of the Secretary	2,811	2,526	90	2,897	2,025	70	2,808	1,768	63
Research & Special Programs Admin	868	451	52	1,628	235	14	274	236	86

See explanatory information, if any, and SOURCE at end of table

Table C-89. Federal obligations for total development to intramural performers for personnel costs, by agency: fiscal years 1995, 1996, and 1997

[In thousands of dollars and percentages]

Page 3 of 3

Agency and subdivision	1995			Preliminary					
	Total	Personnel costs	Per- cent of total	1996			1997		
				Total	Personnel costs	Per- cent of total	Total	Personnel costs	Per- cent of total
Department of the Treasury, total	5,919	3,240	55	6,178	3,696	60	6,215	3,789	61
Bureau of Engraving & Printing	476	33	7	889	89	10	828	83	10
Internal Revenue Service	3,901	1,665	43	3,446	1,764	51	3,498	1,817	52
United States Customs Service	1,500	1,500	100	1,800	1,800	100	1,800	1,800	100
United States Mint	42	42	100	43	43	100	89	89	100
Department of Veterans Affairs	17,554	11,586	66	21,384	14,113	66	20,676	13,646	66
Other agencies:									
Consumer Product Safety Commission	367	175	48	30	30	100	0	0	0
Environmental Protection Agency	61,053	61,053	100	42,743	42,743	100	69,412	69,412	100
International Development Cooperation Agency, total	4,802	3,608	75	2,252	1,679	75	1,676	1,254	75
Agency for International Development	4,802	3,608	75	2,252	1,679	75	1,676	1,254	75
Library of Congress	8,045	6,099	76	6,493	6,493	100	7,230	6,587	91
National Aeronautics & Space Administration	1,242,214	628,284	51	1,333,023	618,238	46	1,240,903	637,436	51
Tennessee Valley Authority	66,700	17,342	26	72,222	18,777	26	62,818	12,890	21

¹ The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.

² Not all Department of Defense (DoD) agencies with development obligations are able to categorize these obligations according to the advanced technology and major systems development breakdown. Therefore, total DoD development does not equal the sum of total DoD advanced technology development and total DoD major systems development.

³ This agency's name changed to the Advanced Research Projects Agency on July 13, 1993, and it was changed back to Defense Advanced Research Projects Agency in February 1996.

⁴ Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services' submission as of Vol. 45.

⁵ Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.

⁶ As of fiscal year 1996, data for the National Biological Service (NBS) are included with the Geological Survey's submission, since NBS's funding comes from the Geological Survey's congressional appropriation.

⁷ The National Biological Service's (NBS) name changed from the National Biological Survey on Jan. 5, 1995. As of fiscal year 1994, NBS performs all biological research activities formerly funded by the United States Fish & Wildlife Service and the National Park Service.

NOTES: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

Beginning with Vol. 44, Department of Defense development obligations are reported in two categories: advanced technology and major systems.

KEY: * = Percentage less than .05%

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development, Fiscal Years 1995, 1996, and 1997

**Table C-90. Federal outlays for research and development and for R&D plant, by agency:
fiscal years 1976-86**

[Dollars in millions]

Page 1 of 4

Agency and subdivision	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Total, all agencies	21,020.9	22,882.9	25,127.9	27,041.0	30,635.8	34,065.9	35,766.8	37,959.4	41,330.1	45,860.3	52,090.3
Departments:											
Dept of Agriculture, total	468.8	537.8	572.4	630.5	687.6	782.5	828.4	858.8	893.5	923.2	953.0
Agricultural Cooperative Svc	NA	NA	NA	NA	1.6	1.3	1.7	2.1	2.2	2.9	2.6
Agricultural Marketing Svc ¹	0	0	0	9	1.3	1.2	1.5	6	1.7	1.3	1.7
Agricultural Research Svc	NA	NA	NA	NA	NA	425.9	436.1	469.4	479.3	492.9	500.5
Animal & Plant Health Inspection Service	NA	0	0	0	0	0	0	0	0	0	4.2
Cooperative State Rsch, Ed, & Extension Service	NA	NA	NA	NA	NA	199.0	219.8	220.4	239.5	243.6	256.5
Economic Research Service	NA	NA	NA	NA	NA	38.0	37.0	36.8	40.9	45.1	46.0
Economics, Statistics, & Cooperative Svc, total ²	26.9	30.5	32.4	35.6	NA	NA	NA	NA	NA	NA	NA
Economic Research Service	23.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Farmer Cooperative Service	1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Statistical Reporting Svc	2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Economics & Statistics Svc ³	NA	NA	NA	NA	31.1	NA	NA	NA	NA	NA	NA
Forest Service	90.3	92.5	86.7	105.7	100.6	101.8	116.0	111.1	109.2	113.8	113.5
Grain Inspection Packers & Stockyards Administration	0	0	0	0	0	0	0	0	0	9	1.0
Human Nutrition Information Service	NA	NA	NA	NA	NA	0	3.8	5.8	7.9	7.2	10.6
National Agricultural Statistics Service	0	NA	NA	NA	NA	7.5	7.0	7.6	8.2	8.4	8.0
Office of International Cooperation & Development	NA	NA	NA	0	6.4	6.9	4.6	4.1	3.6	5.8	7.5
Office of Transportation	NA	NA	NA	5	8	9	9	8	1.0	1.3	1.0
Science & Ed Admin, total	351.7	414.7	453.3	487.8	545.8	NA	NA	NA	NA	NA	NA
Agricultural Research Svc	247.4	294.6	318.4	331.2	371.6	NA	NA	NA	NA	NA	NA
Cooperative State Rsch Svc	104.2	120.2	134.9	156.6	174.2	NA	NA	NA	NA	NA	NA
Nat'l Agricultural Library	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Department of Commerce, total	233.3	238.2	272.7	307.1	360.6	346.8	286.5	335.2	336.3	377.8	380.1
Bureau of the Census	2.5	2.5	3.3	2.7	3.2	3.8	3.7	4.3	4.4	4.8	4.6
Economic Development Admin	13.6	20.0	25.1	26.7	35.5	35.5	12.1	5.3	5.1	7.8	7.8
Maritime Administration ⁴	24.4	18.8	18.8	18.7	24.1	NA	NA	NA	NA	NA	NA
Minority Business Dvlpmnt Agcy	3.2	1.6	0	0	0	0	0	0	0	0	0
National Fire Prevention & Control Administration ⁵	4.6	6.6	NA	NA	NA	NA	NA	NA	NA	NA	NA
National Institute of Standards & Technology	49.1	53.1	59.0	64.8	77.1	84.4	87.6	94.0	103.3	106.5	109.2
National Oceanic & Atmospheric Administration	134.5	132.6	164.7	190.1	210.6	209.0	174.1	222.0	214.7	249.1	248.7
National Telecommunications & Information Administration	NA	2.5	1.3	3.3	9.1	12.9	8.0	9.6	8.6	9.0	8.5
Office of the Secretary	0	0	0	3	6	1	2	-	1	6	1.2
Office of Telecommunications Patent & Trademark Office	1.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Patent & Trademark Office	4	5	5	5	5	1.1	7	0	0	0	0
Department of Defense, total	9,445.5	10,308.0	10,935.4	11,733.1	13,706.1	15,993.0	18,482.9	21,373.5	22,999.4	27,143.7	32,491.1
Department of the Army	1,969.6	2,195.0	2,464.3	2,536.2	2,852.9	3,123.7	3,414.4	3,848.5	4,017.4	4,230.0	4,278.5
Department of the Navy	3,320.1	3,582.6	3,919.4	3,926.4	4,507.9	4,916.9	5,394.7	6,023.5	6,859.8	8,304.9	9,939.8
Department of the Air Force	3,625.2	3,902.2	3,969.9	4,428.0	5,323.6	6,756.6	8,209.1	9,640.9	10,849.7	12,263.7	14,133.1
Defense Agencies	507.5	610.5	555.1	814.2	981.4	1,160.0	1,420.0	1,817.3	1,217.8	2,290.0	4,068.2
Defense Civil Preparedness Agency ⁶	2.2	1.2	2.9	NA	NA	NA	NA	NA	NA	NA	NA
Test & Evaluation, Deputy Under Secretary of Defense	20.9	16.5	23.9	28.3	40.4	35.7	44.8	43.3	54.7	55.1	71.6

See explanatory information, if any, and SOURCE at end of table.

**Table C-90. Federal outlays for research and development and for R&D plant, by agency:
fiscal years 1976-86**

[Dollars in millions]

Page 2 of 4

Agency and subdivision	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Department of Education ⁷	NA	NA	NA	136.5	120.9	0	150.1	111.5	181.3	95.7	125.3
Department of Energy ^{8, 9}	NA	3,593.1	4,413.0	4,956.8	5,660.2	6,125.9	5,785.4	5,641.9	5,656.4	5,803.0	5,381.7
Department of Health, Education, & Welfare, total	2,615.0	2,622.2	3,070.2	NA	NA	NA	NA	NA	NA	NA	NA
Alcohol, Drug Abuse, & Mental Health Administration	145.1	167.2	179.9	NA	NA	NA	NA	NA	NA	NA	NA
Center for Disease Control	37.1	42.6	58.3	NA	NA	NA	NA	NA	NA	NA	NA
Food & Drug Administration	19.0	28.6	56.0	NA	NA	NA	NA	NA	NA	NA	NA
Health Care Financing Admin	NA	30.0	14.2	NA	NA	NA	NA	NA	NA	NA	NA
Health Resources Admin	24.7	1.4	6.7	NA	NA	NA	NA	NA	NA	NA	NA
Health Services Admin	11.3	15.6	15.7	NA	NA	NA	NA	NA	NA	NA	NA
National Inst of Education	69.8	59.7	74.8	NA	NA	NA	NA	NA	NA	NA	NA
National Insts of Health	2,118.4	2,105.0	2,507.1	NA	NA	NA	NA	NA	NA	NA	NA
Office of Assistant Secretary for Education	1.5	1.7	1.1	NA	NA	NA	NA	NA	NA	NA	NA
Office of Assistant Secretary for Health	0	28.1	13.3	NA	NA	NA	NA	NA	NA	NA	NA
Office of Education	56.8	30.3	25.8	NA	NA	NA	NA	NA	NA	NA	NA
Office of Human Dvlpmt Svcs	61.4	80.0	75.3	NA	NA	NA	NA	NA	NA	NA	NA
Office of the Secretary	32.5	21.3	30.2	NA	NA	NA	NA	NA	NA	NA	NA
Social & Rehabilitation Svc	18.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Social Security Admin	18.9	10.9	11.9	NA	NA	NA	NA	NA	NA	NA	NA
Department of Health & Human Services, total	NA	NA	NA	3,172.7	3,554.1	3,997.5	4,052.1	4,118.6	4,484.9	5,049.6	5,531.4
Alcohol, Drug Abuse, & Mental Health Administration	NA	NA	NA	184.7	218.1	251.1	292.0	289.8	276.1	349.8	396.6
Centers for Disease Control & Prevention	NA	NA	NA	72.4	72.6	83.0	88.4	80.4	46.3	47.6	52.7
Food & Drug Administration	NA	NA	NA	40.6	61.0	57.6	59.4	75.6	86.9	96.2	89.1
Health Care Financing Admin	NA	NA	NA	19.5	29.4	35.4	29.1	30.2	33.1	33.5	28.1
Health Resources Admin	NA	NA	NA	3.2	2.8	3.7	NA	NA	NA	NA	NA
Hlth Resources & Svcs Admin	NA	NA	NA	NA	NA	NA	17.5	16.3	13.4	16.0	13.0
Health Services Admin	NA	NA	NA	23.1	20.2	16.9	NA	NA	NA	NA	NA
Human Development Services	NA	NA	NA	57.1	48.5	85.5	33.0	22.3	15.4	21.4	52.0
National Insts of Health	NA	NA	NA	2,713.4	3,029.3	3,392.2	3,475.0	3,562.9	3,981.1	4,446.3	4,867.2
Office of the Assistant Secretary for Health	NA	NA	NA	14.7	27.0	37.2	29.0	16.9	11.5	15.8	21.6
Office of the Secretary	NA	NA	NA	26.5	24.0	19.5	13.4	14.4	10.4	9.6	6.1
Social Security Admin	NA	NA	NA	17.4	21.4	15.4	15.4	9.6	10.7	13.3	5.0
Dept of Housing & Urban Dvlpmt	60.3	69.0	59.3	74.3	65.8	54.1	37.0	30.9	24.9	18.6	13.9
Dept of the Interior, total	319.7	304.0	339.9	404.3	431.5	436.9	394.9	412.7	435.9	417.0	445.4
Bonneville Power Admin ⁸	8.3	0	0	0	0	14.0	NA	NA	NA	NA	NA
Bureau of Land Management	7	9	1.2	1.3	1.7	1.9	5.3	3.9	3.8	4.4	3.4
Bureau of Mines	113.7	103.7	104.2	121.4	130.8	109.0	105.2	102.0	111.4	100.4	131.0
Bureau of Reclamation	8.7	10.1	10.9	11.0	13.1	13.4	10.7	11.1	10.1	10.5	12.0
Geological Survey ¹⁰	115.7	112.2	128.7	144.2	145.2	168.2	150.1	171.4	228.4	230.8	226.5
Heritage Conservation & Recreation Service	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Minerals Management Service	NA	NA	NA	NA	NA	NA	0	1.3	1.5	1.5	1.1
National Park Service	9.3	7.6	7.7	8.9	8.2	10.4	11.2	13.7	14.0	15.0	17.3
Office of the Secretary	7	1.0	2.1	1.5	1.9	2.0	4	1.3	6	3	6
Office of Surface Mining Reclamation & Enforcement	NA	0	0	5.0	7.8	5.8	1.4	1.5	8	2.0	2.3
Office of Water Rsch & Tech ¹⁰	19.0	14.2	17.6	23.8	30.0	21.8	20.3	8.3	2.6	NA	NA
US Fish & Wildlife Svc	43.6	54.2	67.5	87.3	93.0	90.5	90.4	98.3	62.8	52.1	51.2
Department of Justice, total	39.9	33.7	33.5	45.9	45.3	26.1	36.6	27.6	26.5	32.7	32.1
Bureau of Prisons	7	1.0	1.8	3.3	2.1	2.5	1.7	1.7	1.6	1.5	3.0
Drug Enforcement Admin	2.6	3.8	1.7	2.7	4.4	1.2	2.7	2.5	2.0	1.6	2.5
Federal Bureau of Investigation	1.4	1.1	9	2.5	1.8	1.5	1.1	1.9	2.5	8.9	6.9
Immigration & Naturalization Service	0	2	3	3	3	1.0	3	2	6	4	4
Office of Justice Programs	35.2	27.6	27.1	35.5	35.1	19.2	30.4	21.1	19.6	20.1	19.2
Office of Legal Policy	0	0	1.6	1.6	1.6	7	4	2	3	2	2

See explanatory information, if any, and SOURCE at end of table.

**Table C-90. Federal outlays for research and development and for R&D plant, by agency:
fiscal years 1976-86**

[Dollars in millions]

Page 3 of 4

Agency and subdivision	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Department of Labor, total	27.8	28.1	97.6	109.2	137.7	61.6	29.4	16.8	14.1	13.7	10.9
Bureau of Labor Statistics	1.3	1.4	1.2	.9	.9	.3	.3	.7	.5	.6	.6
Employment Standards Admin	4.1	4.3	3.6	5.1	4.7	3.0	1.3	1.3	1.3	.0	.0
Employment & Training Admin	17.5	16.8	86.6	93.0	121.7	52.1	20.2	6.0	3.5	4.5	3.4
Labor-Management Relations & Cooperative Programs ¹	NA	NA	NA	NA	NA	NA	NA	NA	.3	.3	.2
Labor-Management Services Administration ¹¹	7	1.9	2.7	3.5	2.8	1.7	.7	.9	NA	NA	NA
Occupational Safety & Health Administration	2.9	3.4	1.3	5.1	6.3	3.0	4.9	5.3	5.1	4.5	3.6
Office of the Secretary	1.2	.2	2.2	1.6	1.3	1.0	.9	1.5	1.9	2.6	2.1
Pension Benefit Guaranty Corp	NA	NA	NA	NA	NA	.5	1.1	1.1	.3	.2	.1
Pension & Welfare Benefits Administration	NA	NA	NA	NA	NA	NA	NA	NA	1.2	1.1	.9
Department of State, total ¹²	27.0	44.1	57.5	3.2	2.2	1.8	1.5	1.5	1.6	1.5	1.5
Agcy for Internat'l Dvlpmnt ¹²	25.4	41.8	54.6	NA	NA	NA	NA	NA	NA	NA	NA
Departmental Funds	1.6	2.3	2.8	3.2	2.2	1.8	.0	.0	.0	.0	.0
Dept of Transportation, total	335.7	363.5	377.3	372.4	391.0	432.1	360.0	282.3	357.5	430.2	445.2
Coast Guard	17.8	17.0	20.3	20.5	17.9	25.9	20.0	19.6	19.5	19.0	16.7
Federal Aviation Admin	114.6	102.8	100.2	111.4	109.7	125.9	110.9	99.5	167.5	283.7	317.6
Federal Highway Admin	42.9	53.0	52.9	48.9	53.4	59.1	42.5	32.5	51.1	47.5	46.1
Federal Railroad Admin	48.5	57.3	62.4	58.0	63.5	55.0	25.6	18.5	14.7	16.2	15.4
Federal Transit Admin	48.2	52.1	52.5	50.5	58.9	61.9	69.8	36.5	31.2	18.6	8.8
Maritime Administration ⁴	NA	NA	NA	NA	NA	17.4	18.9	13.5	11.1	10.2	14.1
National Highway Traffic Safety Administration	33.8	49.5	68.5	53.6	60.3	60.8	60.2	51.1	53.2	28.0	19.1
Office of the Secretary	29.9	31.8	19.7	16.7	14.9	13.9	5.6	4.0	5.0	4.7	5.2
Rsch & Special Programs Administration	NA	.0	.8	12.8	12.4	12.3	6.5	7.1	4.2	2.4	2.3
Dept of the Treasury, total	3.8	5.0	9.9	9.6	10.9	10.8	13.6	15.6	13.6	24.3	23.0
Bureau of Alcohol, Tobacco, & Firearms	.0	1.1	2.0	2.5	1.6	.3	NA	NA	NA	NA	NA
Bureau of Engraving & Printing	2.8	2.5	3.7	2.1	2.3	2.7	4.8	3.9	3.6	5.0	4.2
Internal Revenue Service	.0	.0	2.4	3.6	4.0	4.2	5.4	8.0	7.9	15.9	13.4
United States Customs Svc	1.1	1.4	1.8	1.4	3.0	3.5	3.2	3.4	1.9	2.3	4.9
United States Mint	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.0
United States Secret Service	NA	NA	NA	NA	.0	.1	.3	.4	.2	.6	.5
Department of Veterans Affairs	109.5	112.8	123.9	123.1	138.6	144.3	140.7	164.7	193.6	222.7	185.1
Other agencies:											
ACTION	1	4	1.6	1.6	.0	.0	.0	.0	.0	.0	.0
Advisory Commission on Intergovernmental Relations	1.0	1.3	1.5	1.7	1.7	1.9	1.8	1.9	2.1	2.0	2.0
Appalachian Regional Comm	.7	.6	.5	.9	.8	.4	.4	.2	.4	.2	.2
Civil Service Commission	4.0	3.9	NA	NA	NA	NA	NA	NA	NA	NA	NA
Community Services Admin	10.0	21.0	24.1	19.5	25.5	26.2	NA	NA	NA	NA	NA
Consumer Product Safety Comm	3.8	6.8	4.2	5.8	6.3	.9	.2	.5	1.2	2.2	2.0
Energy Rsch & Dvlpmnt Admin ⁸	2,553.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Environmental Protection Agcy	265.6	283.0	312.5	388.9	384.7	344.3	336.2	312.5	266.1	274.8	306.9
Federal Communications Comm	1.1	1.9	2.4	1.9	3.1	1.6	1.2	1.3	.9	1.1	.9
Federal Emergency Management Agency, total ⁵	NA	NA	6.8	12.0	11.2	11.6	8.8	3.2	10.9	4.6	.0
National Fire Prevention & Control Administration ⁵	NA	NA	6.8	.0	.0	.0	.0	.0	.0	.0	.0
Federal Energy Administration	3.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Federal Trade Commission	.9	1.1	1.4	1.5	3.2	1.1	1.2	1.4	1.6	1.7	1.8
Foundation for Educational Assistance ⁷	NA	NA	NA	NA	NA	111.8	NA	NA	NA	NA	NA
General Services Admin ¹³	1.2	.9	2.7	.5	.2	.6	1.0	.5	2.4	.4	1.9

See explanatory information, if any, and SOURCE at end of table

**Table C-90. Federal outlays for research and development and for R&D plant, by agency:
fiscal years 1976-86**

[Dollars in millions]

Page 4 of 4

Agency and subdivision	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
International Development Cooperation Agcy, total ^{1,2}	NA	NA	NA	80.3	114.3	166.1	188.6	225.2	207.2	233.0	255.5
Agcy for Internat'l Dvlpmt ^{1,2}	NA	NA	NA	80.3	114.3	166.1	188.6	225.2	207.2	233.0	255.5
Interstate Commerce Comm	0.1	0.1	0.3	2	1	0	0	0	0	0	0
Library of Congress	2.9	3.6	4.7	5.4	6.5	5.1	5.4	6.7	7.2	6.3	6.9
National Aeronautics & Space Administration	3,669.0	3,449.1	3,432.1	3,395.2	3,605.7	3,705.5	3,252.9	2,646.2	3,730.6	3,217.1	3,730.6
National Archives & Records Administration ¹³	NA	NA	NA	NA	NA	NA	NA	NA	NA	5	1.0
National Science Foundation	669.1	674.7	738.6	804.6	848.2	905.0	1,015.1	994.7	1,151.0	1,250.0	1,468.1
Nuclear Regulatory Commission	76.9	107.8	131.7	145.4	182.8	216.0	208.6	244.0	198.6	161.1	136.0
Office of Personnel Management	NA	NA	4.5	6.0	6.8	8.1	0	0	0	0	0
Office of Telecommunications Policy	4.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Office of Thrift Supervision	8	1.7	1.0	9	1.2	1.0	2.7	3.0	2.6	2.8	3.3
Small Business Administration	1	5	0	0	0	0	0	0	0	0	0
Smithsonian Institution	27.6	30.1	34.7	37.8	39.5	43.9	48.4	57.3	55.2	59.8	64.0
Tennessee Valley Authority	34.4	30.2	53.4	45.4	75.3	94.3	89.5	63.7	66.3	81.0	79.5
United States Arms Control & Disarmament Agency	1.8	2.2	3.6	3.5	3.8	2.4	1.9	1.0	1.3	1.1	9
US Information Agency ¹⁴	1	1	1	1	1	1.2	3.8	4.7	5.0	1.1	2.4
US Internat'l Trade Comm	1.5	2.6	3.1	3.4	2.1	3.4	3.8	4.7	5.0	5.8	6.9

¹ Although the Agricultural Marketing Service was established in April 1972, fiscal year 1979 was the first year in which Congress appropriated funds to this agency.

² Data reported for the Economics, Statistics, & Cooperative Service include programs of the Economic Research Service, the Statistical Reporting Service, and the Farmer Cooperative Service for fiscal years 1977-79.

³ Data reported for the Economics & Statistics Service include programs of the Economic Research Service and the Statistical Reporting Service for fiscal year 1980.

⁴ In 1981 the Maritime Administration moved from the Department of Commerce to the Department of Transportation.

⁵ Functions for the National Fire Prevention & Control Administration transferred from the Department of Commerce to the Federal Emergency Management Agency as of Apr. 1, 1979.

⁶ Functions for the Defense Civil Preparedness Agency transferred from the Department of Defense to the Federal Emergency Management Agency on July 20, 1979.

⁷ The 1983 Budget of the United States Government proposed that the Department of Education be replaced by the Foundation for Educational Assistance.

⁸ In 1977 the Energy Research & Development Administration became part of the Department of Energy.

⁹ In fiscal year 1982 the Bonneville Power Administration became part of the Department of Energy.

¹⁰ As of 1985 the Office of Water Research & Technology has been combined with the Geological Survey.

¹¹ In 1984 the Labor-Management Services Administration was replaced by Labor-Management Relations & Cooperative Programs.

¹² The Agency for International Development transferred from the Department of State to the International Development Cooperative Agency on Oct. 1, 1979.

¹³ As of 1985 the National Archives & Records Administration is separate from the General Services Administration.

¹⁴ Data reported for the United States Information Agency include funds for the former International Communication Agency for fiscal years 1977-81.

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: - = Amount less than 50 thousand dollars

NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

**Table C-90a. Federal outlays for research and development and for R&D plant, by agency:
fiscal years 1987-97**

[Dollars in millions]

Page 1 of 4

Agency and subdivision	1987	1988	1989	1990	1991	1992	1993	1994	1995	Preliminary	
										1996	1997
Total, all agencies	53,214.2	56,556.6	61,476.4	64,151.1	63,676.4	65,719.0	68,385.8	68,335.9	68,410.0	69,180.0	70,118.4
Departments:											
Dept of Agriculture, total	994.0	1,049.7	1,129.8	1,196.7	1,269.4	1,382.8	1,453.4	1,485.6	1,503.8	1,512.2	1,507.1
Agricultural Cooperative Svc	2.8	2.7	2.8	2.7	2.8	3.4	2.9	3.7	NA	NA	NA
Agricultural Marketing Svc ¹	1.4	1.6	1.5	2.7	3.7	4.3	4.7	4.6	5.0	4.9	4.9
Agricultural Research Svc ²	526.5	540.4	579.7	603.4	622.9	686.5	732.6	735.3	758.4	768.2	790.4
Animal & Plant Health Inspection Service	4.9	6.2	7.7	14.0	15.7	16.7	17.1	19.2	19.1	21.2	20.6
Cooperative State Rsch, Ed, & Extension Service ³	274.1	294.8	336.9	361.9	395.6	415.1	433.2	456.9	463.9	474.8	445.2
Economic Research Service	43.2	47.2	50.0	50.7	53.0	57.5	61.5	57.3	52.0	53.2	54.7
Foreign Agricultural Svc ⁴	0	0	0	0	0	0	0	8	5	1.4	1.4
Forest Service	120.7	138.0	136.4	144.5	159.8	182.0	185.8	195.7	197.8	180.5	181.8
Grain Inspection Packers & Stockyards Administration ⁵	1.2	1.0	1.1	6	7	1.8	1.8	1.8	1.5	2.8	2.8
Human Nutrition Information Service ²	9.6	8.2	8.4	9.0	8.9	9.7	7.3	5.3	NA	NA	NA
National Agricultural Statistics Service	3.5	3.6	2.8	2.7	3.2	3.5	3.9	3.6	4.2	3.8	3.9
Office of International Cooperation & Dvlpm ⁴	5.1	5.0	2.5	4.3	3.1	2.4	2.6	0	NA	NA	NA
Office of Transportation	1.0	1.1	NA	NA	NA	NA	NA	NA	NA	NA	NA
Rural Business-Cooperative Service ⁶	NA	NA	NA	NA	NA	NA	NA	2.4	1.6	1.4	1.4
Department of Commerce, total	311.1	389.4	403.2	441.5	500.7	643.4	652.0	810.3	886.4	957.7	1,040.3
Bureau of the Census	4.5	5.6	5.0	5.7	6.6	5.5	5.0	5.4	5.1	7.4	7.4
Economic Development Admin	7.2	2.7	1.3	1.5	1.0	1.1	7	3	1.0	5	1.5
National Institute of Standards & Technology	102.1	111.4	121.5	120.3	144.1	160.6	189.8	237.8	350.4	416.2	485.6
National Oceanic & Atmospheric Administration	189.2	263.5	269.1	306.7	345.3	472.2	452.4	562.9	523.6	529.1	541.1
National Telecommunications & Information Administration	7.8	6.1	6.2	6.2	3.6	4.0	4.2	3.9	6.4	4.5	4.7
Office of the Secretary	3	1	1							0	0
Department of Defense, total	33,611.8	34,573.0	36,869.1	37,140.0	33,447.2	34,631.7	34,525.9	35,179.2	33,712.5	33,499.0	32,870.5
Department of the Army	5,009.7	4,899.6	5,241.3	5,797.1	5,724.5	6,295.2	6,125.3	5,797.8	5,137.3	5,112.4	4,581.2
Department of the Navy	9,422.1	9,081.9	9,559.5	9,453.5	7,902.0	8,115.0	9,187.5	8,213.3	9,454.1	8,571.5	7,952.5
Department of the Air Force	14,101.0	14,774.5	15,390.5	14,888.1	13,043.8	12,532.3	12,287.9	12,799.2	12,051.8	11,809.3	12,987.5
Defense Agencies	4,995.8	5,690.3	6,501.3	6,853.6	6,685.3	7,450.3	6,689.7	8,125.3	6,822.7	7,727.9	7,075.4
Operational Test & Evaluation, Director	4.4	7.2	31.6	32.0	22.3	9.4	12.3	11.9	12.4	30.8	21.8
Test & Evaluation, Deputy Under Secretary of Defense	78.8	119.6	145.0	115.8	69.4	229.4	223.2	231.8	234.3	247.1	252.0
Department of Education	138.3	142.9	155.7	150.7	117.2	135.5	186.7	179.2	180.6	181.0	170.2
Department of Energy	5,432.7	5,743.7	6,039.0	6,365.3	6,827.1	7,232.7	7,668.3	6,896.5	7,016.3	6,728.5	6,879.3

See explanatory information, if any, and SOURCE at end of table.

**Table C-90a. Federal outlays for research and development and for R&D plant, by agency:
fiscal years 1987-97**

(Dollars in millions)

Page 2 of 4

Agency and subdivision	1987	1988	1989	1990	1991	1992	1993	1994	1995	Preliminary	
										1996	1997
Department of Health & Human Services, total	5,751.0	6,923.2	7,773.4	8,363.8	9,822.1	9,091.5	10,475.2	10,352.5	11,245.2	11,321.4	12,318.1
Administration on Aging ⁷	NA	NA	NA	NA	20.6	20.2	20.9	19.1	20.7	2.9	2.9
Administration for Children & Families ^{8, 7}	NA	NA	NA	NA	110.2	35.1	19.3	11.3	12.0	9.0	19.0
Agency for Health Care Policy & Research ⁹	NA	NA	NA	5.3	11.9	113.5	87.6	111.0	133.0	124.0	85.0
Alcohol, Drug Abuse, & Mental Health Administration ¹⁰	476.1	554.8	695.7	842.7	1,460.6	NA	NA	NA	NA	NA	NA
Centers for Disease Control & Prevention	66.2	88.7	117.8	95.6	113.4	146.9	162.5	206.8	317.4	323.4	361.2
Food & Drug Administration	85.6	91.3	96.0	95.0	143.5	150.0	174.2	160.5	147.9	154.6	146.1
Health Care Financing Admin	36.1	31.4	32.5	14.4	21.7	63.9	69.5	72.3	72.9	70.1	59.0
Hlth Resources & Svcs Admin	9.2	10.0	10.5	11.9	11.0	10.5	11.0	17.8	14.4	13.7	12.7
Human Development Svcs ⁷	51.1	50.9	73.3	76.7	NA	NA	NA	NA	NA	NA	NA
National Insts of Health ¹⁰	4,985.2	6,060.2	6,699.0	7,181.1	7,890.4	8,491.4	9,893.3	9,725.7	10,511.5	10,616.4	11,625.8
Office of the Assistant Secretary for Health ⁹	23.5	20.0	26.0	22.3	18.2	21.7	15.8	7	6	5	5
Office of the Secretary	8.2	4.7	7.8	5.0	8.8	5.0	5.2	5.0	3.5	7.0	6.0
Social Security Admin ¹¹	9.8	11.1	14.8	13.9	11.9	33.4	15.9	22.2	11.3	NA	NA
Dept of Housing & Urban Dvlpmnt	19.7	14.9	20.7	21.7	18.1	23.5	28.4	28.5	38.0	34.8	39.1
Dept of the Interior, total	394.7	419.6	485.3	503.0	556.2	628.4	651.8	644.9	558.8	570.0	591.4
Bureau of Land Management	3.6	3.7	3.0	2.8	8.8	6.3	8.9	0	0	0	0
Bureau of Mines	91.2	87.6	92.6	96.7	97.7	113.9	111.8	107.9	0	NA	NA
Bureau of Reclamation	10.6	4.4	4.2	5.8	8.7	12.2	9.6	7.4	8.0	6.0	7.6
Geological Survey ¹²	211.2	238.6	300.9	301.3	319.5	370.3	385.2	375.5	359.3	522.4	541.4
Minerals Management Service	1.0	1.2	1.9	2.0	2.7	4.1	6.1	19.5	20.8	21.7	21.6
Natl Biological Svc ^{13, 12}	NA	NA	NA	NA	NA	NA	0	110.3	151.0	NA	NA
National Park Service ¹³	18.5	19.4	19.4	20.1	27.5	31.1	38.1	24.2	19.7	19.8	20.8
Office of the Secretary	2.0	4	4	2	6	9	4	1	-	-	0
Office of Surface Mining Reclamation & Enforcement	1.0	1.0	7	8	1.0	3	4	0	0	0	0
US Fish & Wildlife Svc ¹³	55.7	63.3	62.2	73.3	89.7	89.3	91.3	0	0	0	0
Department of Justice, total	39.0	48.1	36.0	38.2	40.4	42.9	46.2	42.0	49.0	76.9	93.8
Bureau of Prisons ¹⁴	6.9	6.0	3.8	3.2	5.7	5.9	6.1	5.4	5.7	4.7	4.7
Drug Enforcement Admin	2.2	2.5	2.7	2.4	2.8	1.5	1.1	1.7	4	1.2	5
Federal Bureau of Investigation	6.9	12.7	6.5	8.2	10.8	10.9	11.3	7.0	10.9	36.8	34.8
Immigration & Naturalization Service	4	5.2	4	4	4	4	4	4	4	4	4
Office of Justice Programs	22.4	21.6	22.5	24.0	20.7	24.1	27.2	27.6	31.5	33.8	53.3
Office of Legal Policy	2	0	0	0	0	0	0	0	0	0	0
Department of Labor, total	20.3	31.8	28.9	45.2	45.6	70.8	57.8	60.7	51.7	48.1	45.7
Bureau of Labor Statistics	6.5	7.0	7.0	7.3	7.5	7.6	6.9	7.1	13.1	13.3	12.6
Employment Standards Admin	1.0	1	1	1	0	0	0	0	0	0	0
Employment & Training Admin	4.4	11.2	9.2	25.6	23.7	51.0	39.2	41.8	23.1	23.4	21.1
Labor-Management Relations & Cooperative Programs	3	4	3	NA	NA	NA	NA	NA	NA	NA	NA
Occupational Safety & Health Administration	4.1	4.2	4.5	2.5	2.6	3.1	2.5	3.2	4.3	3.1	3.6
Office of the Secretary	2.7	6.1	6.1	7.1	8.7	5.7	5.4	5.2	6.2	5.4	5.4
Pension Benefit Guaranty Corp	3	3	3	5	5	9	1.3	7	1.4	6	7
Pension & Welfare Benefits Administration	1.0	2.6	1.3	2.1	2.5	2.6	2.6	2.7	3.6	2.3	2.3
Department of State ¹⁵	3.0	4.2	4.7	4.7	5.9	5.6	5.3	8.2	5.0	4.3	4.3

See explanatory information, if any, and SOURCE at end of table.

**Table C-90a. Federal outlays for research and development and for R&D plant, by agency:
fiscal years 1987-97**

— [Dollars in millions]

Page 3 of 4

Agency and subdivision	1987	1988	1989	1990	1991	1992	1993	1994	1995	Preliminary	
										1996	1997
Dept of Transportation, total	347.7	332.1	291.5	287.3	361.0	411.1	455.3	536.9	661.4	551.1	864.2
Coast Guard	17.8	14.9	18.1	21.4	14.9	22.8	32.2	26.1	21.1	24.1	24.5
Federal Aviation Admin	190.5	190.2	153.5	185.5	216.0	250.7	260.1	258.9	270.8	277.6	260.9
Federal Highway Admin	76.3	60.1	76.5	44.0	86.1	81.2	87.5	178.5	260.6	133.5	456.9
Federal Railroad Admin	10.9	10.6	7.0	7.0	14.3	21.5	22.8	19.6	22.8	37.1	32.3
Federal Transit Admin ⁶	9.4	1.4	2.0	2.3	2.1	1.5	16.5	18.5	33.4	27.7	22.1
Maritime Administration	7.2	2.6	0	9	1.5	1.7	1.7	1.7	2.3	3	1.8
National Highway Traffic Safety Administration	28.9	45.2	28.5	16.9	19.2	24.5	28.3	26.9	41.4	39.2	51.8
Office of the Secretary Rsch & Special Programs Administration	4.7	5.2	4.2	6.9	4.7	5.0	4.4	2.5	4.0	2.8	2.8
	2.1	2.0	1.6	2.4	2.2	2.3	1.7	4.1	4.9	8.8	11.2
Dept of the Treasury, total	26.4	25.8	23.5	25.2	30.4	24.5	16.6	20.7	61.5	63.8	64.2
Bureau of Engraving & Printing	4.5	2.0	1.7	2.1	3.5	2.0	3.2	3.4	1.8	2.2	2.0
Financial Crimes Enforcement Network	0	0	0	0	1.8	1.5	1.5	0	0	0	0
Internal Revenue Svc ^{17, 18}	14.1	14.0	14.0	16.3	17.3	17.3	6.5	11.3	49.7	50.6	54.3
Off of Thrift Supervision ¹⁹	NA	NA	NA	0	3.0	8	7	5	6	5	6
United States Customs Svc	7.1	9.3	6.9	5.3	3.8	2.3	4.1	4.6	8.6	9.6	6.5
United States Mint	1	2	3	1	5	0	0	4	3	2	1
US Secret Service ²⁰	5	4	6	5	4	6	6	5	6	6	6
Department of Veterans Affairs	198.8	201.9	186.4	219.0	221.6	207.6	250.8	246.0	258.3	259.1	261.2
Other agencies:											
Advisory Commission on Intergovernmental Relations	1.6	1.4	1.2	1.2	1.2	1.5	2.1	1.4	1.4	1.4	0
Appalachian Regional Comm	1	2	8	4	7	1.9	9	9	9	9	9
Consumer Product Safety Comm	2.1	1.2	1.3	1.2	1.3	1.2	1.2	4	4	1	1
Environmental Protection Agcy	325.9	340.0	343.2	388.5	400.1	411.9	497.7	558.3	495.5	422.3	523.8
Federal Communications Comm	1.0	1.2	1.1	1.3	1.4	1.6	1.6	1.7	2.3	2.8	2.7
Federal Trade Commission	5	4	4	5	1.0	1.3	9	7	6	1.0	1.0
General Services Admin	1.6	2.3	5	7	3.6	20.9	7.6	5.5	1.3	1.2	1.1
International Development Cooperation Agcy, total	263.2	229.1	279.1	334.0	344.0	205.9	321.7	372.6	256.8	277.7	244.4
Agcy for Internat'l Dvlpm ¹⁵	263.2	229.1	279.1	334.0	344.0	205.9	321.7	372.6	256.8	277.7	244.4
Library of Congress	6.5	7.1	8.0	8.4	8.6	10.0	10.7	12.5	7.7	11.0	8.3
National Aeronautics & Space Administration	3,564.3	4,230.4	5,506.1	6,762.2	7,675.0	8,386.6	8,885.4	8,576.8	9,116.2	10,074.2	9,839.3
Nat'l Archives & Records Admin	1.1	7	3	4	7	7	3	3	1	1	1
National Science Foundation	1,459.9	1,550.7	1,613.4	1,563.0	1,687.1	1,813.6	1,841.7	1,983.6	1,977.0	2,261.0	2,433.0
Nuclear Regulatory Commission	124.4	113.5	113.2	111.5	107.5	116.5	119.6	92.4	88.8	66.4	59.1
Office of Thrift Supervision ¹⁹	3.4	3.4	4.1	4.1	NA	NA	NA	NA	NA	NA	NA
Smithsonian Institution	71.5	74.8	82.6	95.4	98.5	95.4	97.2	127.4	125.0	126.0	137.0
Social Security Admin ¹¹	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.3	27.7

See explanatory information, if any, and SOURCE at end of table.

**Table C-90a. Federal outlays for research and development and for R&D plant, by agency:
fiscal years 1987-97**

[Dollars in millions]

Page 4 of 4

Agency and subdivision	1987	1988	1989	1990	1991	1992	1993	1994	1995	Preliminary	
										1996	1997
Tennessee Valley Authority	76.9	86.9	61.7	66.7	72.3	103.5	109.6	97.9	94.1	104.4	77.0
United States Arms Control & Disarmament Agency ²¹	4.6	3.4	2.8	2	4	2.1	1.5	1.3	1.1	5	1.0
US Information Agency	10.0	1.5	1.0	0	2	2	2	6	3	2	1
US International Trade Comm	7.2	8.1	8.7	9.1	9.9	12.3	12.2	9.4	12.2	12.7	12.5

- ¹ Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.
- ² The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.
- ³ The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.
- ⁴ The Office of International Cooperation & Development became part of the Foreign Agricultural Service (FAS) in June 1994. Data reported for FAS include funds appropriated to International Cooperation & Development programs within FAS as of fiscal year 1994.
- ⁵ The Federal Grain Inspection Service was abolished on Oct. 20, 1994, and its functions were assumed by the Grain Inspection Packers & Stockyards Administration.
- ⁶ This agency's name changed from the Rural Business & Cooperative Development Service to the Rural Business-Cooperative Service on Jan. 30, 1996.
- ⁷ In fiscal year 1991 Human Development Services was replaced by the Administration for Children & Families² (ACF) and by the Administration on Aging (AoA). Beginning in fiscal year 1992, data shown for the ACF are separate from obligations for the AoA.
- ⁸ Obligations reported for the Administration for Children & Families may be incomplete for fiscal year 1992 due to unavailability of data.
- ⁹ In fiscal year 1991 the Agency for Health Care Policy & Research became separate from the Office of the Assistant Secretary for Health.
- ¹⁰ Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.
- ¹¹ As of Mar. 31, 1995, the Social Security Administration became an independent agency; it is no longer part of the Department of Health & Human Services.
- ¹² As of fiscal year 1996, data for the National Biological Service (NBS) are included with the Geological Survey's submission, since NBS's funding comes from the Geological Survey's congressional appropriation.
- ¹³ The National Biological Service's (NBS) name changed from the National Biological Survey on Jan. 5, 1995. As of fiscal year 1994, NBS performs all biological research activities formerly funded by the United States Fish & Wildlife Service and the National Park Service.
- ¹⁴ The Bureau of Prisons was formerly listed as the Federal Prison System.
- ¹⁵ Increases in outlays and obligations reported by the Department of State during the Vol. 44 survey cycle reflect reporting of monies received through interagency agreements with the Agency for International Development. The Department of State transfers these outlays and obligations to other R&D performers.
- ¹⁶ The name of this agency changed from the Urban Mass Transit Administration to the Federal Transit Administration on Dec. 18, 1991.
- ¹⁷ Due to the reorganization of the Internal Revenue Service and subsequent unavailability of data, fiscal year 1992 figures are taken from estimates made in the Vol. 41 submission.
- ¹⁸ Large changes in obligations reported by the Internal Revenue Service for Vol. 44 are due to shifts in research funding.
- ¹⁹ In 1989 the Federal Home Loan Bank Board was replaced by the Office of Thrift Supervision. In 1990 the Office of Thrift Supervision became part of the Department of the Treasury.
- ²⁰ The United States Secret Service was formerly listed as the Office of Protective Research.
- ²¹ Fiscal year 1994 figures for the United States Arms Control & Disarmament Agency are estimates based on the agency's Vol. 43 submission.

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: = Amount less than 50 thousand dollars.
NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

**Table C-91. Federal outlays for research and development, by agency:
fiscal years 1976-86**

[Dollars in millions]

Page 1 of 4

Agency and subdivision	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Total, all agencies	20,220.2	22,082.7	24,020.1	25,838.2	29,154.2	32,459.1	34,390.7	36,659.4	39,691.0	44,171.4	50,609.1
Departments:											
Dept of Agriculture, total	460.0	515.3	553.8	608.7	659.8	743.4	807.2	826.0	864.3	889.0	918.0
Agricultural Cooperative Svc	NA	NA	NA	NA	1.6	1.3	1.7	2.1	2.2	2.9	2.6
Agricultural Marketing Svc ¹	0	0	0	9	1.3	1.2	1.5	6	1.7	1.3	1.7
Agricultural Research Svc	NA	NA	NA	NA	NA	390.1	417.5	438.7	454.3	466.2	468.1
Animal & Plant Health											
Inspection Service	NA	0	0	0	0	0	0	0	0	0	4.2
Cooperative State Rsch, Ed, & Extension Service	NA	NA	NA	NA	NA	199.0	219.8	219.6	235.7	236.7	254.8
Economic Research Service	NA	NA	NA	NA	NA	38.0	37.0	36.8	40.9	45.1	46.0
Economics, Statistics, & Cooperative Svc, total ²	26.9	30.5	32.4	35.6	NA	NA	NA	NA	NA	NA	NA
Economic Research Service	23.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Farmer Cooperative Service	1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Statistical Reporting Svc	2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Economics & Statistics Svc ³	NA	NA	NA	NA	31.1	NA	NA	NA	NA	NA	NA
Forest Service	86.9	89.0	84.6	102.2	97.0	98.6	113.2	109.8	108.8	113.1	112.5
Grain Inspection Packers & Stockyards Administration	0	0	0	0	0	0	0	0	0	9	1.0
Human Nutrition Information Service	NA	NA	NA	NA	NA	0	3.8	5.8	7.9	7.2	10.6
National Agricultural Statistics Service	0	NA	NA	NA	NA	7.5	7.0	7.6	8.2	8.4	8.0
Office of International Cooperation & Development	NA	NA	NA	0	6.4	6.9	4.6	4.1	3.6	5.8	7.5
Office of Transportation	NA	NA	NA	5	8	9	9	8	1.0	1.3	1.0
Science & Ed Admin, total	346.2	395.7	436.8	469.5	521.7	NA	NA	NA	NA	NA	NA
Agricultural Research Svc	242.0	275.6	301.9	312.9	347.5	NA	NA	NA	NA	NA	NA
Cooperative State Rsch Svc	104.2	120.1	134.9	156.6	174.2	NA	NA	NA	NA	NA	NA
Nat'l Agricultural Library	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Department of Commerce, total	225.5	232.5	269.2	305.2	355.9	345.5	285.4	334.5	327.0	373.6	372.6
Bureau of the Census	2.5	2.5	3.3	2.7	3.2	3.8	3.7	4.3	4.4	4.8	4.6
Economic Development Admin	13.6	20.0	25.1	26.7	35.5	35.5	12.1	5.3	5.1	7.8	7.8
Maritime Administration ⁴	22.8	15.1	18.5	18.2	23.5	NA	NA	NA	NA	NA	NA
Minority Business Dvlpmt Agcy	3.2	1.6	0	0	0	0	0	0	0	0	0
National Fire Prevention & Control Administration ⁵	4.6	6.6	NA	NA	NA	NA	NA	NA	NA	NA	NA
National Institute of Standards & Technology	48.0	52.6	58.1	63.4	76.8	83.9	86.6	93.3	94.1	102.2	103.3
National Oceanic & Atmospheric Administration	129.4	131.2	162.5	190.1	206.7	208.1	174.1	222.0	214.7	249.1	247.2
National Telecommunications & Information Administration	NA	2.5	1.3	3.3	9.1	12.9	8.0	9.6	8.6	9.0	8.5
Office of the Secretary	0	0	0	3	6	1	2	-	1	6	1.2
Office of Telecommunications	1.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Patent & Trademark Office	4	5	5	5	5	1.1	7	0	0	0	0
Department of Defense, total	9,301.3	10,182.4	10,622.8	11,497.3	13,501.4	15,754.5	18,251.2	21,105.8	22,619.3	26,742.0	32,210.5
Department of the Army	1,949.0	2,180.2	2,457.5	2,534.1	2,845.3	3,114.8	3,400.9	3,827.0	3,983.0	4,176.6	4,223.5
Department of the Navy	3,260.8	3,519.0	3,870.3	3,873.5	4,417.0	4,824.7	5,269.4	5,886.8	6,709.4	8,161.1	9,809.1
Department of the Air Force	3,568.1	3,862.2	3,719.8	4,263.1	5,220.6	6,626.6	8,141.4	9,537.2	10,658.5	12,063.9	14,044.0
Defense Agencies	500.3	603.3	548.5	798.3	978.2	1,152.6	1,394.8	1,811.5	1,213.6	2,285.2	4,062.4
Defense Civil Preparedness Agency ⁶	2.2	1.2	2.9	NA	NA	NA	NA	NA	NA	NA	NA
Test & Evaluation, Deputy Under Secretary of Defense	20.9	16.5	23.9	28.3	40.4	35.7	44.8	43.3	54.7	55.1	71.6

See explanatory information, if any, and SOURCE at end of table

**Table C-91. Federal outlays for research and development, by agency:
fiscal years 1976-86**

[Dollars in millions]

Page 2 of 4

Agency and subdivision	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Department of Education ⁷	NA	NA	NA	136.5	120.9	0	150.1	111.5	181.3	95.7	124.5
Department of Energy ^{8, 9}	NA	3,166.0	3,931.7	4,303.3	4,697.5	5,041.4	4,842.1	4,817.5	4,740.3	4,947.7	4,655.8
Department of Health, Education, & Welfare, total	2,562.6	2,576.6	3,002.2	NA	NA	NA	NA	NA	NA	NA	NA
Alcohol, Drug Abuse, & Mental Health Administration	145.1	167.2	179.9	NA	NA	NA	NA	NA	NA	NA	NA
Center for Disease Control	37.1	42.6	58.3	NA	NA	NA	NA	NA	NA	NA	NA
Food & Drug Administration	18.5	24.4	54.7	NA	NA	NA	NA	NA	NA	NA	NA
Health Care Financing Admin	NA	30.0	14.2	NA	NA	NA	NA	NA	NA	NA	NA
Health Resources Admin	24.7	1.4	6.7	NA	NA	NA	NA	NA	NA	NA	NA
Health Services Admin	11.3	15.6	15.7	NA	NA	NA	NA	NA	NA	NA	NA
National Inst of Education	69.8	59.7	74.8	NA	NA	NA	NA	NA	NA	NA	NA
National Insts of Health	2,066.5	2,063.7	2,440.3	NA	NA	NA	NA	NA	NA	NA	NA
Office of Assistant Secretary for Education	1.5	1.7	1.1	NA	NA	NA	NA	NA	NA	NA	NA
Office of Assistant Secretary for Health	0	28.1	13.3	NA	NA	NA	NA	NA	NA	NA	NA
Office of Education	56.8	30.3	25.8	NA	NA	NA	NA	NA	NA	NA	NA
Office of Human Dvlpmt Svcs	61.4	80.0	75.3	NA	NA	NA	NA	NA	NA	NA	NA
Office of the Secretary	32.5	21.3	30.2	NA	NA	NA	NA	NA	NA	NA	NA
Social & Rehabilitation Svc	18.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Social Security Admin	18.9	10.9	11.9	NA	NA	NA	NA	NA	NA	NA	NA
Department of Health & Human Services, total	NA	NA	NA	3,099.3	3,477.2	3,954.9	4,015.3	4,092.0	4,450.3	5,007.0	5,498.7
Alcohol, Drug Abuse, & Mental Health Administration	NA	NA	NA	184.4	217.9	250.9	291.7	288.8	272.0	348.4	396.1
Centers for Disease Control & Prevention	NA	NA	NA	72.4	72.6	83.0	88.4	80.4	46.3	47.6	52.7
Food & Drug Administration	NA	NA	NA	40.0	60.3	57.1	58.4	73.5	76.9	81.2	79.1
Health Care Financing Admin	NA	NA	NA	19.5	29.4	35.4	29.1	30.2	33.1	33.5	28.1
Health Resources Admin	NA	NA	NA	3.2	2.8	3.7	NA	NA	NA	NA	NA
Hlth Resources & Svcs Admin	NA	NA	NA	NA	NA	NA	17.5	16.3	13.4	16.0	13.0
Health Services Admin	NA	NA	NA	23.1	20.2	16.9	NA	NA	NA	NA	NA
Human Development Services	NA	NA	NA	57.1	48.5	85.5	33.0	22.3	15.4	21.4	52.0
National Insts of Health	NA	NA	NA	2,641.0	2,953.2	3,350.2	3,439.6	3,539.5	3,960.6	4,420.1	4,845.0
Office of the Assistant Secretary for Health	NA	NA	NA	14.7	27.0	37.2	29.0	16.9	11.5	15.8	21.6
Office of the Secretary	NA	NA	NA	26.5	24.0	19.5	13.4	14.4	10.4	9.6	6.1
Social Security Admin	NA	NA	NA	17.4	21.4	15.4	15.4	9.6	10.7	13.3	5.0
Dept of Housing & Urban Dvlpmt	60.3	69.0	59.3	74.3	65.8	54.1	37.0	30.9	24.9	18.6	13.9
Dept of the Interior, total	319.0	299.5	332.3	395.3	422.7	432.8	393.6	410.3	430.7	412.8	439.3
Bonneville Power Admin ¹⁰	8.3	0	0	0	0	13.7	NA	NA	NA	NA	NA
Bureau of Land Management	7	9	1.2	1.3	1.7	1.9	5.3	3.9	3.8	4.4	3.4
Bureau of Mines	113.7	100.7	104.1	117.1	128.4	106.9	105.0	101.9	111.3	100.4	131.0
Bureau of Reclamation	8.7	10.1	10.9	11.0	13.1	13.4	10.7	11.1	10.1	10.5	12.0
Geological Survey ¹¹	115.7	112.2	128.7	144.2	145.2	168.2	150.1	169.9	227.2	229.9	225.6
Heritage Conservation & Recreation Service	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Minerals Management Service	NA	NA	NA	NA	NA	NA	0	1.3	1.5	1.5	1.1
National Park Service	9.3	7.6	7.7	8.9	8.2	10.4	11.2	13.7	14.0	15.0	17.3
Office of the Secretary	7	1.0	2.1	1.5	1.9	2.0	4	1.3	6	3	6
Office of Surface Mining Reclamation & Enforcement	NA	0	0	5.0	7.5	5.8	1.4	1.5	8	2.0	2.3
Office of Water Rsch & Tech ¹²	19.0	13.3	17.0	23.1	29.3	21.1	19.4	8.3	2.6	NA	NA
US Fish & Wildlife Svc	42.9	53.6	60.5	83.2	87.7	89.5	90.1	97.5	58.8	48.8	46.0
Department of Justice, total	39.9	33.7	33.5	45.9	45.3	26.1	36.6	27.6	26.5	32.7	32.1
Bureau of Prisons	7	1.0	1.8	3.3	2.1	2.5	1.7	1.7	1.6	1.5	3.0
Drug Enforcement Admin	2.6	3.8	1.7	2.7	4.4	1.2	2.7	2.5	2.0	1.6	2.5
Federal Bureau of Investigation	1.4	1.1	9	2.5	1.8	1.5	1.1	1.9	2.5	8.9	6.9
Immigration & Naturalization Service	0	2	3	3	3	1.0	3	2	6	4	4
Office of Justice Programs	35.2	27.6	27.1	35.5	35.1	19.2	30.4	21.1	19.6	20.1	19.2
Office of Legal Policy	0	0	1.6	1.6	1.6	7	4	2	3	2	2

See explanatory information, if any, and SOURCE at end of table

**Table C-91. Federal outlays for research and development, by agency:
fiscal years 1976-86**

[Dollars in millions]

Page 3 of 4

Agency and subdivision	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Department of Labor, total	27.8	28.1	97.6	109.2	137.7	61.6	29.4	16.8	14.1	13.7	10.9
Bureau of Labor Statistics	1.3	1.4	1.2	9	9	3	3	7	5	6	6
Employment Standards Admin	4.1	4.3	3.6	5.1	4.7	3.0	1.3	1.3	1.3	-	0
Employment & Training Admin	17.5	16.8	86.6	93.0	121.7	52.1	20.2	6.0	3.5	4.5	3.4
Labor-Management Relations & Cooperative Programs ¹¹	NA	NA	NA	NA	NA	NA	NA	NA	3	3	2
Labor-Management Services Administration ¹¹	.7	1.9	2.7	3.5	2.8	1.7	7	9	NA	NA	NA
Occupational Safety & Health Administration	2.9	3.4	1.3	5.1	6.3	3.0	4.9	5.3	5.1	4.5	3.6
Office of the Secretary	1.2	2	2.2	1.6	1.3	1.0	9	1.5	1.9	2.6	2.1
Pension Benefit Guaranty Corp	NA	NA	NA	NA	NA	5	1.1	1.1	3	2	1
Pension & Welfare Benefits Administration	NA	NA	NA	NA	NA	NA	NA	NA	1.2	1.1	9
Department of State, total ¹²	25.9	40.1	57.4	3.2	2.2	1.8	1.5	1.5	1.6	1.5	1.5
Agcy for Internat'l Dvlpmt ¹²	24.3	37.8	54.5	NA	NA	NA	NA	NA	NA	NA	NA
Departmental Funds	1.6	2.3	2.8	3.2	2.2	1.8	0	0	0	0	0
Dept of Transportation, total	323.6	346.0	364.1	356.2	374.7	415.9	347.0	272.4	344.6	416.1	429.8
Coast Guard	17.3	16.5	19.6	20.5	17.9	25.9	20.0	19.6	19.5	19.0	16.7
Federal Aviation Admin	112.7	99.8	99.2	101.9	104.2	119.8	106.6	90.3	155.1	270.1	303.3
Federal Highway Admin	42.5	52.6	52.5	48.7	53.1	56.3	42.5	32.5	51.1	47.5	45.5
Federal Railroad Admin	40.5	45.6	51.5	51.7	53.2	48.2	17.4	18.3	14.7	16.2	15.4
Federal Transit Admin	46.9	50.4	52.5	50.5	58.9	61.9	69.8	36.5	31.2	18.6	8.8
Maritime Administration ⁴	NA	NA	NA	NA	NA	17.4	18.9	13.5	11.1	10.2	14.1
National Highway Traffic Safety Administration	33.8	49.3	68.3	53.4	60.1	60.3	59.7	50.6	52.7	27.5	18.6
Office of the Secretary	29.9	31.8	19.7	16.7	14.9	13.9	5.6	4.0	5.0	4.7	5.2
Rsch & Special Programs Administration	NA	0	8	12.8	12.4	12.3	6.5	7.1	4.2	2.4	2.3
Dept of the Treasury, total	3.7	4.9	9.9	9.5	10.9	10.8	13.6	15.5	13.5	24.2	22.9
Bureau of Alcohol, Tobacco, & Firearms	0	1.1	2.0	2.5	1.6	3	NA	NA	NA	NA	NA
Bureau of Engraving & Printing	2.8	2.5	3.7	2.1	2.3	2.7	4.8	3.9	3.6	5.0	4.2
Internal Revenue Service	0	0	2.4	3.6	4.0	4.2	5.4	8.0	7.9	15.9	13.4
United States Customs Svc	1.0	1.3	1.8	1.3	3.0	3.5	3.1	3.3	1.8	2.2	4.8
United States Mint	0	0	0	0	0	0	0	0	0	6	-
United States Secret Service	NA	NA	NA	NA	-	1	3	4	2	6	4
Department of Veterans Affairs	97.7	106.9	114.3	120.3	134.4	137.8	137.7	154.1	189.0	215.1	181.2
Other agencies:											
ACTION	.1	4	1.6	1.6	0	0	0	0	0	0	0
Advisory Commission on Intergovernmental Relations	1.0	1.3	1.5	1.7	1.7	1.9	1.8	1.9	2.1	2.0	2.0
Appalachian Regional Comm	7	6	5	9	8	4	4	2	4	2	2
Civil Service Commission	4.0	3.9	NA	NA	NA	NA	NA	NA	NA	NA	NA
Community Services Admin	10.0	21.0	24.1	19.5	25.5	26.2	NA	NA	NA	NA	NA
Consumer Product Safety Comm	3.6	6.8	3.9	3.1	3.6	9	2	5	1.2	2.2	2.0
Energy Rsch & Dvlpmt Admin ⁸	2,189.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Environmental Protection Agcy	259.0	281.3	310.3	386.5	384.7	344.3	336.2	312.5	266.1	274.8	306.9
Federal Communications Comm	1.1	1.9	2.4	1.9	3.1	1.6	1.2	1.3	9	1.1	9
Federal Emergency Management Agency, total ^{6 5}	NA	NA	6.8	12.0	11.2	11.6	8.8	3.2	10.9	4.6	0
National Fire Prevention & Control Administration ⁵	NA	NA	6.8	0	0	0	0	0	0	0	0
Federal Energy Administration	3.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Federal Trade Commission	9	1.1	1.4	1.5	3.2	1.1	1.2	1.4	1.6	1.7	1.8
Foundation for Educational Assistance ⁷	NA	NA	NA	NA	NA	111.8	NA	NA	NA	NA	NA
General Services Admin ¹³	1.2	9	2.7	5	2	6	1.0	5	2.4	4	1.2

See explanatory information, if any, and SOURCE at end of table.

**Table C-91. Federal outlays for research and development, by agency:
fiscal years 1976-86**

[Dollars in millions]

Page 4 of 4

Agency and subdivision	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
International Development Cooperation Agcy, total ^{1,2}	NA	NA	NA	75.8	107.8	159.9	178.3	212.8	195.8	220.3	241.5
Agcy for Internat'l Dvlpmnt ^{1,2}	NA	NA	NA	75.8	107.8	159.9	178.3	212.8	195.8	220.3	241.5
Interstate Commerce Comm	0.1	0.1	0.3	2	1	0	0	0	0	0	0
Library of Congress	2.9	3.6	4.7	5.4	6.5	5.1	5.4	6.7	7.2	6.3	6.9
National Aeronautics & Space Administration	3,548.1	3,344.2	3,307.9	3,262.5	3,465.4	3,558.6	3,140.7	2,538.0	3,538.7	2,970.3	3,431.5
National Archives & Records Administration ¹³	NA	NA	NA	NA	NA	NA	NA	NA	NA	5	1.0
National Science Foundation	619.0	649.6	700.5	775.2	830.6	892.3	1,013.6	991.8	1,108.0	1,186.0	1,410.7
Nuclear Regulatory Commission	73.3	101.7	125.4	137.5	175.4	208.7	208.6	244.0	198.6	161.1	136.0
Office of Personnel Management	NA	NA	4.5	6.0	6.8	8.1	0	0	0	0	0
Office of Telecommunications Policy	4.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Office of Thrift Supervision	8	1.7	1.0	9	1.2	1.0	2.7	3.0	2.6	2.8	3.3
Small Business Administration	1	5	0	0	0	0	0	0	0	0	0
Smithsonian Institution	27.5	29.8	34.6	37.2	39.1	43.5	48.0	56.2	54.6	58.9	62.5
Tennessee Valley Authority	18.7	26.5	31.5	37.2	74.7	93.9	89.3	63.3	66.0	80.7	78.9
United States Arms Control & Disarmament Agency	1.8	2.2	3.6	3.5	3.8	2.4	1.9	1.0	1.3	1.1	9
US Information Agency ¹⁴	1	1	1	1	1	1.2	-	-	-	1.1	2.4
US Internat'l Trade Comm	1.5	2.6	3.1	3.4	2.1	3.4	3.8	4.7	5.0	5.8	6.9

¹ Although the Agricultural Marketing Service was established in April 1972, fiscal year 1979 was the first year in which Congress appropriated funds to this agency.

² Data reported for the Economics, Statistics, & Cooperative Service include programs of the Economic Research Service, the Statistical Reporting Service, and the Farmer Cooperative Service for fiscal years 1977-79.

³ Data reported for the Economics & Statistics Service include programs of the Economic Research Service and the Statistical Reporting Service for fiscal year 1980.

⁴ In 1981 the Maritime Administration moved from the Department of Commerce to the Department of Transportation.

⁵ Functions for the National Fire Prevention & Control Administration transferred from the Department of Commerce to the Federal Emergency Management Agency as of Apr. 1, 1979.

⁶ Functions for the Defense Civil Preparedness Agency transferred from the Department of Defense to the Federal Emergency Management Agency on July 20, 1979.

⁷ The 1983 Budget of the United States Government proposed that the Department of Education be replaced by the Foundation for Educational Assistance.

⁸ In 1977 the Energy Research & Development Administration became part of the Department of Energy.

⁹ In fiscal year 1982 the Bonneville Power Administration became part of the Department of Energy.

¹⁰ As of 1985 the Office of Water Research & Technology has been combined with the Geological Survey.

¹¹ In 1984 the Labor Management Services Administration was replaced by Labor Management Relations & Cooperative Programs.

¹² The Agency for International Development transferred from the Department of State to the International Development Cooperative Agency on Oct 1, 1979.

¹³ As of 1985 the National Archives & Records Administration is separate from the General Services Administration.

¹⁴ Data reported for the United States Information Agency include funds for the former International Communication Agency for fiscal years 1977-81.

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: - = Amount less than 50 thousand dollars

NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

BEST COPY AVAILABLE

**Table C-91a. Federal outlays for research and development, by agency:
fiscal years 1987-97**

[Dollars in millions]

Page 1 of 4

Agency and subdivision	1987	1988	1989	1990	1991	1992	1993	1994	1995	Preliminary	
										1996	1997
Total, all agencies	51,611.7	54,739.4	59,450.4	62,135.3	61,130.4	62,934.5	65,241.3	66,158.8	66,374.6	66,876.9	67,691.5
Departments:											
Dept of Agriculture, total	922.9	971.2	1,037.5	1,072.5	1,189.4	1,246.0	1,303.9	1,353.7	1,375.3	1,362.9	1,353.5
Agricultural Cooperative Svc	2.8	2.7	2.8	2.7	2.8	3.4	2.9	3.7	NA	NA	NA
Agricultural Marketing Svc ¹	1.4	1.6	1.5	2.7	3.7	4.3	4.7	4.6	5.0	4.9	4.9
Agricultural Research Svc ²	463.2	482.1	528.0	548.1	573.5	617.1	643.4	660.0	679.3	680.3	693.8
Animal & Plant Health Inspection Service	4.9	5.6	7.4	8.0	15.7	16.7	17.1	19.2	19.1	19.7	20.6
Cooperative State Rsch, Ed, & Extension Service ³	267.1	277.3	298.3	303.9	380.1	354.9	379.4	404.1	418.8	417.5	390.2
Economic Research Service	43.2	47.2	50.0	50.7	53.0	57.5	61.5	57.3	52.0	53.2	54.7
Foreign Agricultural Svc ⁴	0	0	0	0	0	0	0	8	5	1.4	1.4
Forest Service	119.9	135.8	134.7	139.6	144.7	174.8	179.3	190.8	193.5	178.0	179.8
Grain Inspection Packers & Stockyards Administration ⁵	1.2	1.0	1.1	6	7	1.8	1.8	1.8	1.5	2.8	2.8
Human Nutrition Information Service ²	9.6	8.2	8.4	9.0	8.9	9.7	7.3	5.3	NA	NA	NA
National Agricultural Statistics Service	3.5	3.6	2.8	2.7	3.2	3.5	3.9	3.6	4.2	3.8	3.9
Office of International Cooperation & Dvlpm ⁴	5.1	5.0	2.5	4.3	3.1	2.4	2.6	0	NA	NA	NA
Office of Transportation	1.0	1.1	NA	NA	NA	NA	NA	NA	NA	NA	NA
Rural Business-Cooperative Service ⁵	NA	NA	NA	NA	NA	NA	NA	2.4	1.6	1.4	1.4
Department of Commerce, total	307.0	378.6	394.0	426.8	485.1	622.1	629.6	797.4	863.0	926.0	991.7
Bureau of the Census	4.5	5.6	5.0	6.7	6.6	5.5	5.0	5.4	5.1	7.4	7.4
Economic Development Admin	7.2	2.4	1.1	1.5	1.0	1.1	7	3	1.0	5	1.5
National Institute of Standards & Technology	100.0	101.3	113.0	112.3	135.9	149.1	180.1	225.2	327.4	384.8	437.3
National Oceanic & Atmospheric Administration	187.1	263.0	268.6	300.1	338.0	462.4	439.5	562.6	523.1	528.8	540.8
National Telecommunications & Information Administration	7.8	6.1	6.2	6.2	3.6	4.0	4.2	3.9	6.4	4.5	4.7
Office of the Secretary	3	1	1	-	-	-	-	-	-	0	0
Department of Defense, total	33,254.4	34,156.8	36,453.4	36,703.2	33,013.5	34,220.8	34,152.7	34,918.2	33,629.5	33,405.7	32,819.2
Department of the Army	4,949.0	4,837.8	5,201.6	5,750.2	5,659.5	6,273.2	6,118.3	5,794.0	5,133.0	5,107.1	4,576.6
Department of the Navy	9,357.1	9,003.1	9,475.0	9,352.3	7,815.0	8,004.0	9,114.0	8,150.5	9,416.6	8,552.6	7,942.9
Department of the Air Force	13,906.8	14,567.0	15,190.8	14,687.9	12,825.6	12,346.1	12,056.9	12,645.5	12,024.9	11,780.8	12,962.4
Defense Agencies	4,958.4	5,622.1	6,409.5	6,765.0	6,621.8	7,358.7	6,628.0	8,084.7	6,808.2	7,687.3	7,063.5
Operational Test & Evaluation, Director	4.4	7.2	31.6	32.0	22.3	9.4	12.3	11.9	12.4	30.8	21.8
Test & Evaluation, Deputy Under Secretary of Defense	78.8	119.6	145.0	115.8	69.4	229.4	223.2	231.8	234.3	247.1	252.0
Department of Education	122.6	131.8	153.4	147.9	114.5	133.0	173.8	177.2	179.6	174.6	169.5
Department of Energy	4,711.3	4,964.7	5,200.6	5,508.4	5,727.2	6,034.7	6,185.1	5,974.7	6,152.2	5,858.0	5,963.6

See explanatory information, if any, and SOURCE at end of table.

**Table C-91a. Federal outlays for research and development, by agency:
fiscal years 1987-97**

[Dollars in millions]

Page 2 of 4

Agency and subdivision	1987	1988	1989	1990	1991	1992	1993	1994	1995	Preliminary	
										1996	1997
Department of Health & Human Services, total	5,719.5	6,892.5	7,717.4	8,308.7	9,627.3	8,994.8	10,325.9	10,218.2	10,978.2	11,006.4	11,882.3
Administration on Aging ⁷	NA	NA	NA	NA	20.6	20.2	20.9	19.1	20.7	2.9	2.9
Administration for Children & Families ^{8, 7}	NA	NA	NA	NA	110.2	35.1	19.3	11.3	12.0	9.0	19.0
Agency for Health Care Policy & Research ⁹	NA	NA	NA	5.3	11.9	113.5	87.6	111.0	133.0	124.0	85.0
Alcohol, Drug Abuse, & Mental Health Administration ¹⁰	475.5	554.8	695.7	842.7	1,460.6	NA	NA	NA	NA	NA	NA
Centers for Disease Control & Prevention	66.2	88.7	117.8	95.6	113.4	146.9	162.5	206.8	317.4	323.4	361.2
Food & Drug Administration	83.7	89.6	94.0	94.0	125.0	135.7	154.5	138.6	131.3	131.3	131.3
Health Care Financing Admin	36.1	31.4	32.5	14.4	21.7	63.9	69.5	72.3	72.9	70.1	59.0
Hlth Resources & Svcs Admin	9.2	10.0	10.5	11.9	11.0	10.1	9.6	16.4	12.8	12.7	11.7
Human Development Svcs ⁷	51.1	50.9	73.3	76.7	NA	NA	NA	NA	NA	NA	NA
National Insts of Health ¹⁰	4,956.2	6,031.2	6,645.0	7,127.0	7,714.0	8,409.2	9,765.1	9,614.8	10,262.8	10,325.7	11,205.8
Office of the Assistant Secretary for Health ⁹	23.5	20.0	26.0	22.3	18.2	21.7	15.8	7	6	5	5
Office of the Secretary	8.2	4.7	7.8	5.0	8.8	5.0	5.2	5.0	3.5	7.0	6.0
Social Security Admin ¹¹	9.8	11.1	14.8	13.9	11.9	33.4	15.9	22.2	11.3	NA	NA
Dept of Housing & Urban Dvlpmnt	19.7	14.9	20.7	21.7	18.1	23.5	28.4	28.5	38.0	34.8	39.1
Dept of the Interior, total	390.0	414.6	478.4	492.5	535.6	610.6	631.0	637.4	552.3	567.6	584.4
Bureau of Land Management	3.6	3.7	3.0	2.8	8.8	6.3	8.9	0	0	0	0
Bureau of Mines	91.2	87.6	90.6	93.6	96.3	113.9	111.8	107.9	0	NA	NA
Bureau of Reclamation	10.6	4.4	4.2	5.8	8.7	12.2	9.6	7.4	8.0	6.0	7.6
Geological Survey ¹²	210.4	237.9	299.5	300.0	316.6	365.9	381.2	369.1	354.1	521.0	535.4
Minerals Management Service	1.0	1.2	1.9	1.8	2.5	3.4	5.1	18.3	19.8	20.7	20.6
Natl Biological Svc ^{13, 12}	NA	NA	NA	NA	NA	NA	0	110.3	150.7	NA	NA
National Park Service ¹³	18.5	19.4	19.4	20.1	27.5	31.1	38.1	24.2	19.7	19.8	20.8
Office of the Secretary	2.0	4	4	2	6	9	4	1	-	-	0
Office of Surface Mining Reclamation & Enforcement	1.0	1.0	7	8	1.0	3	4	0	0	0	0
US Fish & Wildlife Svc ¹³	51.7	59.0	58.8	67.3	73.6	76.6	75.5	0	0	0	0
Department of Justice, total	38.7	48.1	36.0	38.2	40.4	42.9	46.2	42.0	49.0	76.9	93.8
Bureau of Prisons ¹⁴	6.9	6.0	3.8	3.2	5.7	5.9	6.1	5.4	5.7	4.7	4.7
Drug Enforcement Admin	2.2	2.5	2.7	2.4	2.8	1.5	1.1	1.7	4	1.2	5
Federal Bureau of Investigation	6.6	12.7	6.5	8.2	10.8	10.9	11.3	7.0	10.9	36.8	34.8
Immigration & Naturalization Service	4	5.2	4	4	4	4	4	4	4	4	4
Office of Justice Programs	22.4	21.6	22.5	24.0	20.7	24.1	27.2	27.6	31.5	33.8	53.3
Office of Legal Policy	2	0	0	0	0	0	0	0	0	0	0
Department of Labor, total	20.3	31.8	28.9	45.2	45.6	70.8	57.8	60.7	51.7	48.1	45.7
Bureau of Labor Statistics	6.5	7.0	7.0	7.3	7.5	7.6	6.9	7.1	13.1	13.3	12.6
Employment Standards Admin	1.0	1	1	1	0	0	0	0	0	0	0
Employment & Training Admin	4.4	11.2	9.2	25.6	23.7	51.0	39.2	41.8	23.1	23.4	21.1
Labor-Management Relations & Cooperative Programs	3	4	3	NA	NA	NA	NA	NA	NA	NA	NA
Occupational Safety & Health Administration	4.1	4.2	4.5	2.5	2.6	3.1	2.5	3.2	4.3	3.1	3.6
Office of the Secretary	2.7	6.1	6.1	7.1	8.7	5.7	5.4	5.2	6.2	5.4	5.4
Pension Benefit Guaranty Corp	3	3	3	5	5	9	1.3	7	1.4	6	7
Pension & Welfare Benefits Administration	1.0	2.6	1.3	2.1	2.5	2.6	2.6	2.7	3.6	2.3	2.3
Department of State ¹⁵	3.0	4.2	4.7	4.7	5.9	5.6	5.3	8.2	5.0	4.3	4.3

See explanatory information, if any, and SOURCE at end of table.

**Table C-91a. Federal outlays for research and development, by agency:
fiscal years 1987-97**

[Dollars in millions]

Page 3 of 4

Agency and subdivision	1987	1988	1989	1990	1991	1992	1993	1994	1995	Preliminary	
										1996	1997
Dept of Transportation, total	336.6	321.0	278.6	270.6	342.6	394.0	425.2	519.9	634.7	531.4	840.4
Coast Guard	17.8	14.6	18.1	21.0	14.5	22.4	31.7	25.5	20.6	23.6	24.0
Federal Aviation Admin	180.1	179.6	141.0	169.2	199.6	234.9	234.5	247.2	256.8	261.6	242.9
Federal Highway Admin	76.0	60.1	76.5	44.0	86.1	81.2	87.1	174.7	249.6	133.2	455.6
Federal Railroad Admin	10.9	10.3	6.7	7.0	12.8	20.6	21.6	18.6	21.5	34.2	28.2
Federal Transit Admin ¹⁶	9.4	1.4	2.0	2.3	2.1	1.5	14.3	18.5	33.4	27.7	22.1
Maritime Administration	7.2	2.6	0	9	1.5	1.7	1.7	1.7	2.3	3	1.8
National Highway Traffic Safety Administration	28.4	45.2	28.5	16.9	19.2	24.5	28.3	26.9	41.4	39.2	51.8
Office of the Secretary	4.7	5.2	4.2	6.9	4.7	5.0	4.4	2.5	4.0	2.8	2.8
Rsch & Special Programs Administration	2.1	2.0	1.6	2.4	2.2	2.3	1.7	4.1	4.9	8.8	11.2
Dept of the Treasury, total	26.3	25.7	23.4	25.1	30.3	24.4	16.5	18.9	61.4	63.6	64.0
Bureau of Engraving & Printing	4.5	2.0	1.7	2.1	3.5	2.0	3.2	1.7	1.8	2.2	2.0
Financial Crimes Enforcement Network	0	0	0	0	1.8	1.5	1.5	0	0	0	0
Internal Revenue Svc ^{17, 18}	14.1	14.0	14.0	16.3	17.3	17.3	6.5	11.3	49.7	50.6	54.3
Off of Thrift Supervision ¹⁹	NA	NA	NA	0	3.0	8	7	5	6	5	6
United States Customs Svc	7.0	9.2	6.8	6.2	3.7	2.2	4.0	4.5	8.5	9.5	6.4
United States Mint	1	2	3	1	5	0	1	4	3	2	1
US Secret Service ²⁰	5	4	6	5	4	5	6	5	5	6	6
Department of Veterans Affairs	195.1	197.3	184.9	206.6	213.4	202.1	246.0	240.8	251.1	255.5	256.9
Other agencies											
Advisory Commission on Intergovernmental Relations	1.6	1.4	1.2	1.2	1.2	1.5	2.1	1.4	1.4	1.4	0
Appalachian Regional Comm	1	2	8	4	7	1.9	9	9	9	9	9
Consumer Product Safety Comm	2.1	1.2	1.3	1.2	1.3	1.2	1.2	4	4	1	-
Environmental Protection Agcy	325.9	340.0	343.2	388.5	400.1	411.9	495.2	553.5	492.5	419.3	520.8
Federal Communications Comm	1.0	1.2	1.1	1.3	1.4	1.6	1.6	1.7	2.3	2.8	2.7
Federal Trade Commission	5	4	4	5	1.0	1.3	9	7	6	1.0	1.0
General Services Admin	1.6	2.3	5	7	0	0	0	0	0	0	0
International Development Cooperation Agcy, total	248.7	216.6	279.1	334.0	344.0	205.9	321.7	372.6	256.8	277.7	244.4
Agcy for Internat'l Develop ¹⁵	248.7	216.6	279.1	334.0	344.0	205.9	321.7	372.6	256.8	277.7	244.4
Library of Congress	6.5	7.1	8.0	8.4	8.6	10.0	10.7	12.5	7.7	11.0	8.3
National Aeronautics & Space Administration	3,250.4	3,831.7	4,974.8	6,324.3	7,071.2	7,616.5	8,087.0	8,023.3	8,600.7	9,484.1	9,350.4
Nat'l Archives & Records Admin	1.1	7	3	4	7	7	3	3	1	1	1
National Science Foundation	1,410.0	1,494.0	1,556.7	1,524.9	1,630.6	1,732.7	1,754.2	1,873.0	1,876.0	2,051.0	2,146.0
Nuclear Regulatory Commission	124.4	113.5	113.2	111.5	107.5	116.5	119.6	92.4	88.8	66.4	59.1
Office of Thrift Supervision ¹⁹	3.4	3.4	4.1	4.1	NA	NA	NA	NA	NA	NA	NA
Smithsonian Institution	69.9	73.2	79.8	90.8	94.0	94.2	96.0	121.2	119.0	120.0	131.0
Social Security Admin ¹¹	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.3	27.7

See explanatory information, if any, and SOURCE at end of table

**Table C-91a. Federal outlays for research and development, by agency:
fiscal years 1987-97**

[Dollars in millions]

Page 4 of 4

Agency and subdivision	1987	1988	1989	1990	1991	1992	1993	1994	1995	Preliminary	
										1996	1997
Tennessee Valley Authority	76.5	86.4	61.6	61.8	68.6	98.8	108.6	97.9	93.1	103.4	77.0
United States Arms Control & Disarmament Agency ²¹	3.6	3.4	2.8	2	4	2.1	1.5	1.3	1.1	5	1.0
US Information Agency	10.0	1.5	1.0	0	2	2	2	6	3	2	1
US Internat'l Trade Comm	7.2	8.1	8.7	9.1	9.9	12.3	12.2	9.4	12.2	12.7	12.5

- ¹ Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.
- ² The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.
- ³ The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.
- ⁴ The Office of International Cooperation & Development became part of the Foreign Agricultural Service (FAS) in June 1994. Data reported for FAS include funds appropriated to International Cooperation & Development programs within FAS as of fiscal year 1994.
- ⁵ The Federal Grain Inspection Service was abolished on Oct. 20, 1994, and its functions were assumed by the Grain Inspection Packers & Stockyards Administration.
- ⁶ This agency's name changed from the Rural Business & Cooperative Development Service to the Rural Business-Cooperative Service on Jan. 30, 1996.
- ⁷ In fiscal year 1991 Human Development Services was replaced by the Administration for Children & Families (ACF) and by the Administration on Aging (AoA). Beginning in fiscal year 1992, data shown for the ACF are separate from obligations for the AoA.
- ⁸ Obligations reported for the Administration for Children & Families may be incomplete for fiscal year 1992 due to unavailability of data.
- ⁹ In fiscal year 1991 the Agency for Health Care Policy & Research became separate from the Office of the Assistant Secretary for Health.
- ¹⁰ Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.
- ¹¹ As of Mar. 31, 1995, the Social Security Administration became an independent agency; it is no longer part of the Department of Health & Human Services.
- ¹² As of fiscal year 1996, data for the National Biological Service (NBS) are included with the Geological Survey's submission, since NBS's funding comes from the Geological Survey's congressional appropriation.
- ¹³ The National Biological Service's (NBS) name changed from the National Biological Survey on Jan. 5, 1995. As of fiscal year 1994, NBS performs all biological research activities formerly funded by the United States Fish & Wildlife Service and the National Park Service.
- ¹⁴ The Bureau of Prisons was formerly listed as the Federal Prison System.
- ¹⁵ Increases in outlays and obligations reported by the Department of State during the Vol. 44 survey cycle reflect reporting of monies received through interagency agreements with the Agency for International Development. The Department of State transfers these outlays and obligations to other R&D performers.
- ¹⁶ The name of this agency changed from the Urban Mass Transit Administration to the Federal Transit Administration on Dec. 18, 1991.
- ¹⁷ Due to the reorganization of the Internal Revenue Service and subsequent unavailability of data, fiscal year 1992 figures are taken from estimates made in the Vol. 41 submission.
- ¹⁸ Large changes in obligations reported by the Internal Revenue Service for Vol. 44 are due to shifts in research funding.
- ¹⁹ In 1989 the Federal Home Loan Bank Board was replaced by the Office of Thrift Supervision. In 1990 the Office of Thrift Supervision became part of the Department of the Treasury.
- ²⁰ The United States Secret Service was formerly listed as the Office of Protective Research.
- ²¹ Fiscal year 1994 figures for the United States Arms Control & Disarmament Agency are estimates based on the agency's Vol. 43 submission.

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: - = Amount less than 50 thousand dollars

NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

**Table C-92. Federal outlays for R&D plant, by agency:
fiscal years 1976-86**

[Dollars in millions]

Page 1 of 2

Agency and subdivision	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Total, all agencies	800.6	800.2	1,107.8	1,202.8	1,481.7	1,606.7	1,376.1	1,299.9	1,639.2	1,688.9	1,481.2
Departments											
Dept of Agriculture, total	8.8	22.5	18.6	21.7	27.7	39.0	21.3	32.8	29.2	34.3	35.0
Agricultural Research Svc	NA	NA	NA	NA	NA	35.8	18.5	30.7	25.0	26.7	32.4
Cooperative State Rsch, Ed, & Extension Service	NA	NA	NA	NA	NA	0	0	8	3.8	6.9	1.6
Forest Service	3.4	3.5	2.1	3.5	3.6	3.2	2.7	1.3	4	7	1.0
Science & Ed Admin, total	5.5	19.0	16.5	18.2	24.1	NA	NA	NA	NA	NA	NA
Agricultural Research Svc	5.5	18.9	16.5	18.2	24.1	NA	NA	NA	NA	NA	NA
Cooperative State Rsch Svc	0	.1	0	0	0	NA	NA	NA	NA	NA	NA
Department of Commerce, total	7.8	5.7	3.5	1.9	4.8	1.3	1.0	.7	9.2	4.3	7.4
Maritime Administration ¹	1.6	3.7	.3	.5	.6	NA	NA	NA	NA	NA	NA
National Institute of Standards & Technology	1.1	.6	.9	1.4	.3	.5	1.0	.7	9.2	4.3	6.0
National Oceanic & Atmospheric Administration	5.1	1.4	2.3	0	3.9	.8	0	0	0	0	1.5
Department of Defense, total	144.2	125.6	312.6	235.8	204.7	238.5	231.7	267.7	380.1	401.7	280.6
Department of the Army	20.6	14.8	6.8	2.1	7.6	8.9	13.5	21.5	34.4	53.4	55.0
Department of the Navy	59.3	63.6	49.1	52.9	90.9	92.2	125.3	136.7	150.3	143.8	130.7
Department of the Air Force	57.1	40.0	250.1	164.9	103.0	130.0	67.7	103.7	191.2	199.8	89.1
Defense Agencies	7.2	7.2	6.6	15.9	3.2	7.4	25.2	5.8	4.2	4.7	5.8
Department of Education ²	NA	NA	NA	0	0	0	0	0	0	0	8
Department of Energy ^{3 4}	NA	427.1	481.3	653.5	962.8	1,084.5	943.3	824.5	916.1	855.3	725.8
Department of Health, Education, & Welfare, total	52.4	45.6	68.0	NA	NA	NA	NA	NA	NA	NA	NA
Food & Drug Administration	5	4.3	1.2	NA	NA	NA	NA	NA	NA	NA	NA
National Insts of Health	51.9	41.3	66.8	NA	NA	NA	NA	NA	NA	NA	NA
Department of Health & Human Services, total	NA	NA	NA	73.4	76.9	42.6	36.8	26.5	34.6	42.6	32.7
Alcohol, Drug Abuse, & Mental Health Administration	NA	NA	NA	4	1	1	4	1.0	4.1	1.4	5
Food & Drug Administration	NA	NA	NA	6	7	5	1.0	2.1	10.0	15.0	10.0
National Insts of Health	NA	NA	NA	72.5	76.0	42.0	35.4	23.4	20.5	26.2	22.2
Dept of the Interior, total	8	4.4	7.7	9.0	8.7	4.1	1.3	2.4	5.2	4.2	6.1
Bonneville Power Admin ⁴	1	0	0	0	0	3	NA	NA	NA	NA	NA
Bureau of Mines	0	2.9	1	4.3	2.4	2.1	2	1	1	0	0
Geological Survey ⁵	0	0	0	0	0	0	0	1.5	1.1	9	9
National Park Service	-	-	0	0	0	0	0	0	0	0	0
Office of Surface Mining Reclamation & Enforcement	NA	0	0	0	3	0	0	0	0	0	0
Office of Water Rsch & Tech ⁵	0	9	6	7	7	8	9	0	0	NA	NA
US Fish & Wildlife Svc	7	6	7.0	4.0	5.3	1.0	3	8	4.0	3.3	5.2

See explanatory information, if any, and SOURCE at end of table

**Table C-92. Federal outlays for R&D plant, by agency:
fiscal years 1976-86**

[Dollars in millions]

Page 2 of 2

Agency and subdivision	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Department of State, total ⁶	1.2	4.0	0.1	0	0	0	0	0	0	0	0
Agcy for Internat'l Dvlpmnt ⁶	1.2	4.0	1	NA	NA	NA	NA	NA	NA	NA	NA
Dept of Transportation, total	12.1	17.5	13.2	16.2	16.3	16.2	13.0	9.9	12.9	14.1	15.5
Coast Guard	5	5	7	0	0	0	0	0	0	0	0
Federal Aviation Admin	1.9	3.0	1.0	9.5	5.5	6.1	4.3	9.2	12.4	13.6	14.3
Federal Highway Admin	4	4	4	2	3	2.8	0	0	0	0	7
Federal Railroad Admin	8.0	11.7	10.9	6.3	10.3	6.8	8.2	2	0	0	0
Federal Transit Admin	1.3	1.7	0	0	0	0	0	0	0	0	0
National Highway Traffic Safety Administration	0	2	2	2	2	5	5	5	5	5	5
Dept of the Treasury, total	1	1	-	-	-	1	1	1	1	1	1
United States Customs Svc	1	1	-	-	-	1	1	1	1	1	1
United States Secret Service	NA	NA	NA	NA	0	0	0	0	0	0	1
Department of Veterans Affairs	11.8	5.9	9.7	2.8	4.2	6.5	2.9	10.6	4.6	7.6	3.9
Other agencies											
Consumer Product Safety Comm	2	0	3	2.7	2.7	0	0	0	0	0	0
Energy Rsch & Dvlpmnt Admin ³	364.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Environmental Protection Agcy	6.7	1.6	2.2	2.4	0	0	0	0	0	0	0
General Services Admin ⁷	0	0	0	0	0	0	0	0	0	0	7
International Development Cooperation Agcy, total ⁶	NA	NA	NA	4.5	6.6	6.2	10.3	12.3	11.4	12.8	14.0
Agcy for Internat'l Dvlpmnt ⁶	NA	NA	NA	4.5	6.6	6.2	10.3	12.3	11.4	12.8	14.0
National Aeronautics & Space Administration	120.9	105.0	124.3	132.7	140.3	146.9	112.2	108.1	191.9	246.8	299.1
National Science Foundation	50.1	25.1	38.0	29.4	17.6	12.7	1.5	2.9	43.0	64.0	57.3
Nuclear Regulatory Commission	3.5	6.1	6.2	8.0	7.4	7.3	0	0	0	0	0
Smithsonian Institution	1	3	1	6	4	4	4	1.1	6	9	1.5
Tennessee Valley Authority	15.7	3.7	21.9	8.2	6	4	2	4	2	3	6

¹ In 1981 the Maritime Administration moved from the Department of Commerce to the Department of Transportation.

² The 1983 Budget of the United States Government proposed that the Department of Education be replaced by the Foundation for Educational Assistance.

³ In 1977 the Energy Research & Development Administration became part of the Department of Energy.

⁴ In fiscal year 1982 the Bonneville Power Administration became part of the Department of Energy.

⁵ As of 1985 the Office of Water Research & Technology has been combined with the Geological Survey.

⁶ The Agency for International Development transferred from the Department of State to the International Development Cooperative Agency on Oct. 1, 1979.

⁷ As of 1985 the National Archives & Records Administration is separate from the General Services Administration.

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: - = Amount less than 50 thousand dollars

NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

Table C-92a. Federal outlays for R&D plant, by agency:
fiscal years 1987-97

[Dollars in millions]

Page 1 of 2

Agency and subdivision	1987	1988	1989	1990	1991	1992	1993	1994	1995	Preliminary	
										1996	1997
Total, all agencies	1,602.4	1,817.2	2,026.1	2,015.8	2,546.1	2,784.5	3,144.5	2,177.1	2,055.4	2,303.1	2,426.9
Departments:											
Dept of Agriculture, total	71.1	78.5	92.3	124.2	80.1	136.8	149.5	132.9	128.4	149.2	153.6
Agricultural Research Svc ¹	63.3	58.3	51.7	55.3	49.4	69.4	89.2	75.3	79.1	87.9	96.6
Animal & Plant Health											
Inspection Service	0	5	3	6.1	0	0	0	0	0	1.5	0
Cooperative State Rsch, Ed, & Extension Service ²	7.0	17.5	38.6	58.0	15.5	60.2	53.8	52.8	45.1	57.3	55.0
Forest Service	8	2.2	1.7	4.9	15.1	7.2	6.5	4.9	4.3	2.5	2.0
Department of Commerce, total	4.2	10.9	9.1	14.7	15.5	21.3	22.4	12.9	23.5	31.7	48.6
Economic Development Admin	0	3	2	0	0	0	0	0	0	0	0
National Institute of Standards & Technology	2.1	10.1	8.5	8.1	8.3	11.4	9.6	12.7	23.0	31.4	48.3
National Oceanic & Atmospheric Administration	2.1	5	5	6.6	7.3	9.9	12.8	3	5	3	3
Department of Defense, total	357.3	416.2	415.6	436.8	433.7	410.9	373.2	261.0	83.0	93.2	51.3
Department of the Army	60.7	61.8	39.7	46.8	65.0	22.0	7.0	3.8	4.2	5.2	4.6
Department of the Navy	65.0	78.8	84.5	101.2	87.0	111.0	73.5	62.9	37.5	18.9	9.7
Department of the Air Force	194.3	207.5	199.7	200.2	218.2	186.3	231.0	153.7	26.9	28.5	25.1
Defense Agencies	37.4	68.1	91.8	88.6	63.5	91.6	61.7	40.6	14.4	40.6	11.9
Department of Education	15.8	11.1	2.3	2.8	2.6	2.5	12.8	1.9	1.0	6.4	6
Department of Energy	721.3	779.0	838.3	856.9	1,099.8	1,198.0	1,483.2	921.8	864.1	870.5	915.7
Department of Health & Human Services, total	31.5	30.7	56.0	55.1	194.8	96.7	149.3	134.2	267.0	315.0	435.9
Alcohol, Drug Abuse, & Mental Health Administration ³	6	0	0	0	0	NA	NA	NA	NA	NA	NA
Food & Drug Administration	1.9	1.7	2.0	1.0	18.4	14.3	19.7	21.9	16.7	23.3	14.9
Hlth Resources & Svcs Admin	0	0	0	0	0	3	1.4	1.4	1.6	1.0	1.0
National Insts of Health ³	29.0	29.0	54.0	54.1	176.4	82.1	128.2	110.9	248.8	290.7	420.0
Social Security Admin ⁴	0	0	0	0	0	0	0	0	0	NA	NA
Dept of the Interior, total	4.8	5.1	6.8	10.5	20.7	17.8	20.8	7.5	6.5	2.4	7.0
Bureau of Mines	0	0	2.1	3.0	1.5	0	0	0	0	NA	NA
Geological Survey ⁵	.8	.8	1.4	1.3	2.9	4.4	4.0	6.3	5.3	1.4	6.0
Minerals Management Service	0	0	0	2	2	7	1.0	1.1	1.0	1.0	1.0
Nat'l Biological Svc ^{6 5}	NA	NA	NA	NA	NA	NA	0	1	3	NA	NA
US Fish & Wildlife Svc ⁶	4.0	4.3	3.4	6.0	16.1	12.7	15.8	0	0	0	0
Department of Justice, total	.3	0	0	0	0	0	0	0	0	0	0
Federal Bureau of Investigation	3	0	0	0	0	0	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

**Table C-92a. Federal outlays for R&D plant, by agency:
fiscal years 1987-97**

[Dollars in millions]

Page 2 of 2

Agency and subdivision	1987	1988	1989	1990	1991	1992	1993	1994	1995	Preliminary	
										1996	1997
Dept of Transportation, total	11.2	11.1	12.9	16.7	18.4	17.1	30.0	17.0	26.7	19.7	23.8
Coast Guard	0	3	0	4	4	4	5	5	5	5	5
Federal Aviation Admin	10.4	10.5	12.6	16.3	16.5	15.9	25.6	11.7	14.0	16.0	18.0
Federal Highway Admin	3	0	0	0	0	0	4	3.8	10.9	3	1.2
Federal Railroad Admin	0	2	3	-	1.5	8	1.3	1.0	1.3	2.8	4.0
Federal Transit Admin ⁷	0	0	0	0	0	0	2.2	0	0	0	0
National Highway Traffic Safety Administration	5	0	0	0	0	0	0	0	0	0	0
Dept of the Treasury, total	1	1	1	1	1	1	2	1.9	2	2	2
Bureau of Engraving & Printing	0	0	0	0	0	0	0	1.7	0	0	0
United States Customs Svc	1	1	1	1	1	1	1	1	1	1	1
US Secret Service ⁸	-	-	-	-	-	-	-	-	-	-	-
Department of Veterans Affairs	3.7	4.6	1.5	12.4	8.2	5.5	4.8	5.2	7.2	3.6	4.3
Other agencies											
Environmental Protection Agency	0	0	0	0	0	0	2.5	4.8	3.0	3.0	3.0
General Services Admin	0	0	0	0	3.6	20.9	7.6	5.5	1.3	1.2	1.1
International Development Cooperation Agency, total	14.4	12.6	0	0	0	0	0	0	0	0	0
Agency for International Development ⁹	14.4	12.6	0	0	0	0	0	0	0	0	0
National Aeronautics & Space Administration	313.9	398.7	531.3	437.9	603.8	770.2	798.4	553.5	515.4	590.1	488.9
National Science Foundation	49.9	56.7	56.7	38.1	56.5	80.9	87.5	110.6	101.0	210.0	287.0
Smithsonian Institution	1.6	1.6	2.8	4.6	4.5	1.2	1.2	6.2	6.0	6.0	6.0
Tennessee Valley Authority	4	5	2	4.9	3.7	4.6	1.0	0	1.0	1.0	0
United States Arms Control & Disarmament Agency ¹⁰	1.0	0	0	0	0	0	0	0	0	0	0

¹ The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.

² The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.

³ Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.

⁴ As of Mar. 31, 1995, the Social Security Administration became an independent agency; it is no longer part of the Department of Health & Human Services.

⁵ As of fiscal year 1996, data for the National Biological Service (NBS) are included with the Geological Survey's submission, since NBS's funding comes from the Geological Survey's congressional appropriation.

⁶ The National Biological Service's (NBS) name changed from the National Biological Survey on Jan. 5, 1995. As of fiscal year 1994, NBS performs all biological research activities formerly funded by the United States Fish & Wildlife Service and the National Park Service.

⁷ The name of this agency changed from the Urban Mass Transit Administration to the Federal Transit Administration on Dec. 18, 1991.

⁸ The United States Secret Service was formerly listed as the Office of Protective Research.

⁹ Increases in outlays and obligations reported by the Department of State during the Vol. 44 survey cycle reflect reporting of monies received through interagency agreements with the Agency for International Development. The Department of State transfers these outlays and obligations to other R&D performers.

¹⁰ Fiscal year 1994 figures for the United States Arms Control & Disarmament Agency are estimates based on the agency's Vol. 43 submission.

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: - = Amount less than 50 thousand dollars

NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

**Table C-93. Federal obligations for research and development and for R&D plant, by agency:
fiscal years 1976-86**

[Dollars in millions]

Page 1 of 4

Agency and subdivision	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Total, all agencies	21,616.4	24,817.6	27,140.8	29,620.6	31,386.1	34,589.6	37,822.4	40,009.0	44,012.1	50,180.4	52,951.2
Departments:											
Dept of Agriculture, total	478.6	559.9	645.9	685.7	744.5	794.7	818.7	881.5	905.4	983.6	1,007.9
Agricultural Cooperative Svc	NA	NA	NA	NA	1.6	1.7	1.7	2.1	2.2	2.9	2.6
Agricultural Marketing Svc ¹	0	0	0	1.0	1.3	1.1	1.2	1.4	1.5	1.7	1.6
Agricultural Research Svc	NA	NA	NA	NA	NA	411.6	426.0	466.8	480.1	498.7	532.6
Animal & Plant Health Inspection Service	NA	0	0	0	0	0	0	0	0	0	4.2
Cooperative State Rsch, Ed, & Extension Service	NA	NA	NA	NA	NA	199.4	219.0	242.3	245.7	294.3	278.6
Economic Research Service	NA	NA	NA	NA	NA	39.3	39.3	38.8	43.7	46.4	44.6
Economics, Statistics, & Cooperative Svc, total ²	27.0	30.5	32.7	35.5	NA	NA	NA	NA	NA	NA	NA
Economic Research Service	24.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Farmer Cooperative Service	1.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Statistical Reporting Svc	1.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Economics & Statistics Svc ³	NA	NA	NA	NA	31.1	NA	NA	NA	NA	NA	NA
Forest Service	82.8	92.1	108.3	111.0	115.2	129.3	112.5	108.1	108.8	114.8	114.0
Grain Inspection Packers & Stockyards Administration	0	0	0	0	0	0	0	0	0	9	1.0
Human Nutrition Information Service	NA	NA	NA	NA	NA	0	8.5	8.2	6.0	6.7	12.8
National Agricultural Statistics Service	0	NA	NA	NA	NA	7.5	7.0	7.6	8.2	8.4	8.0
Office of International Cooperation & Development	NA	NA	NA	0	5.3	3.9	2.6	5.3	8.2	7.7	7.0
Office of Transportation	NA	NA	NA	7	8	9	9	8	1.0	1.2	1.0
Science & Ed Admin, total	368.7	437.3	505.0	537.5	589.3	NA	NA	NA	NA	NA	NA
Agricultural Research Svc	255.3	310.1	347.5	365.0	405.0	NA	NA	NA	NA	NA	NA
Cooperative State Rsch Svc	113.4	127.3	157.4	172.6	184.2	NA	NA	NA	NA	NA	NA
Natl Agricultural Library	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Department of Commerce, total	235.5	251.8	287.7	311.8	347.2	329.3	337.3	335.7	367.6	403.0	408.4
Bureau of the Census	2.5	2.6	3.4	3.1	3.2	3.9	3.8	4.3	4.4	4.9	4.7
Economic Development Admin	15.1	15.0	38.5	43.1	32.3	28.1	9.6	5.3	5.1	13.0	10.3
Maritime Administration ⁴	21.2	19.7	20.6	20.5	19.9	NA	NA	NA	NA	NA	NA
Minority Business Dvlpmnt Agcy	2.0	3.4	0	0	0	0	0	0	0	0	0
National Fire Prevention & Control Administration ⁵	6.4	6.6	NA	NA	NA	NA	NA	NA	NA	NA	NA
National Institute of Standards & Technology	47.9	53.9	59.1	69.3	76.4	83.0	89.9	95.7	104.9	104.7	108.5
National Oceanic & Atmospheric Administration	139.1	147.2	163.7	171.2	203.6	202.2	222.0	222.0	244.3	269.8	276.2
National Telecommunications & Information Administration	NA	2.9	1.8	4.1	10.7	10.9	11.3	8.3	8.7	9.1	8.4
Office of the Secretary	0	0	0	1	6	0	-	-	1	1.4	3
Office of Telecommunications	9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Patent & Trademark Office	4	5	5	5	5	1.1	7	0	0	0	0
Department of Defense, total	9,798.1	11,409.0	11,786.2	12,776.4	14,189.2	16,786.3	20,913.1	23,305.3	25,902.1	30,322.4	33,224.1
Department of the Army	2,026.0	2,458.2	2,556.5	2,772.5	2,993.8	3,257.0	3,785.2	4,024.4	4,281.7	4,623.7	4,863.3
Department of the Navy	3,373.8	3,878.6	4,046.7	4,403.1	4,789.3	5,103.9	6,001.0	6,209.9	7,779.0	9,309.5	9,747.9
Department of the Air Force	3,799.6	4,381.1	4,422.4	4,693.1	5,319.0	7,128.8	9,442.6	10,951.3	12,377.0	13,552.2	13,723.9
Defense Agencies	573.9	659.5	724.5	878.4	1,049.2	1,255.6	1,643.3	2,058.1	1,405.7	2,786.3	4,771.9
Defense Civil Preparedness Agency ⁶	7	1.3	7.5	NA	NA	NA	NA	NA	NA	NA	NA
Test & Evaluation, Deputy Under Secretary of Defense	24.1	30.2	28.6	29.3	37.9	41.1	41.0	61.6	58.6	50.6	117.1

See explanatory information, if any, and SOURCE at end of table.

Table C-93. Federal obligations for research and development and for R&D plant, by agency:
fiscal years 1976-86

[Dollars in millions]

Page 2 of 4

Agency and subdivision	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Department of Education ⁷	NA	NA	NA	166.3	139.4	.0	128.0	111.7	115.7	126.0	127.9
Department of Energy ⁸	NA	4,097.2	4,935.5	5,483.2	5,777.8	5,896.4	5,622.2	5,294.4	5,526.0	5,834.4	5,430.6
Department of Health, Education, & Welfare, total	2,616.7	2,955.9	3,281.5	NA	NA	NA	NA	NA	NA	NA	NA
Alcohol, Drug Abuse, & Mental Health Administration	139.5	153.0	180.2	NA	NA	NA	NA	NA	NA	NA	NA
Center for Disease Control	49.6	55.3	60.1	NA	NA	NA	NA	NA	NA	NA	NA
Food & Drug Administration	38.0	43.7	65.0	NA	NA	NA	NA	NA	NA	NA	NA
Health Care Financing Admin	NA	30.0	19.4	NA	NA	NA	NA	NA	NA	NA	NA
Health Resources Admin	38.2	7.4	5.5	NA	NA	NA	NA	NA	NA	NA	NA
Health Services Admin	17.5	17.7	18.2	NA	NA	NA	NA	NA	NA	NA	NA
National Inst of Education	63.7	64.9	89.5	NA	NA	NA	NA	NA	NA	NA	NA
National Insts of Health	2,092.5	2,411.7	2,654.2	NA	NA	NA	NA	NA	NA	NA	NA
Office of Assistant Secretary for Education	1.0	1.0	1.3	NA	NA	NA	NA	NA	NA	NA	NA
Office of Assistant Secretary for Health	.0	32.2	36.2	NA	NA	NA	NA	NA	NA	NA	NA
Office of Education	58.2	31.1	32.9	NA	NA	NA	NA	NA	NA	NA	NA
Office of Human Dvlpmt Svcs	61.9	76.8	75.8	NA	NA	NA	NA	NA	NA	NA	NA
Office of the Secretary	23.7	20.0	30.2	NA	NA	NA	NA	NA	NA	NA	NA
Social & Rehabilitation Svc	18.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Social Security Admin	14.4	11.2	12.9	NA	NA	NA	NA	NA	NA	NA	NA
Department of Health & Human Services, total	NA	NA	NA	3,558.4	3,810.8	3,950.9	3,965.4	4,400.4	4,861.8	5,493.2	5,695.5
Alcohol, Drug Abuse, & Mental Health Administration	NA	NA	NA	214.4	233.5	239.7	251.4	304.0	337.5	377.9	396.6
Centers for Disease Control & Prevention	NA	NA	NA	76.3	87.3	74.8	75.0	78.2	46.3	47.6	52.2
Food & Drug Administration	NA	NA	NA	66.7	76.6	72.6	75.0	102.7	80.8	95.1	87.4
Health Care Financing Admin	NA	NA	NA	31.8	45.7	38.6	29.1	30.2	33.1	33.5	29.0
Health Resources Admin	NA	NA	NA	4.9	5.1	5.0	NA	NA	NA	NA	NA
Hlth Resources & Svcs Admin	NA	NA	NA	NA	NA	NA	10.1	13.3	18.5	19.7	12.3
Health Services Admin	NA	NA	NA	28.7	26.7	20.3	NA	NA	NA	NA	NA
Human Development Services	NA	NA	NA	57.1	49.3	73.7	27.2	23.4	18.3	24.3	54.6
National Insts of Health	NA	NA	NA	3,000.8	3,211.2	3,355.5	3,452.6	3,806.8	4,285.2	4,856.5	5,034.5
Office of the Assistant Secretary for Health	NA	NA	NA	34.6	29.9	33.1	16.1	16.6	18.1	18.6	17.3
Office of the Secretary	NA	NA	NA	24.7	24.0	19.5	13.4	14.4	10.4	9.6	6.1
Social Security Admin	NA	NA	NA	18.3	21.4	18.0	15.5	10.8	13.5	10.4	5.6
Dept of Housing & Urban Dvlpmt	67.6	52.1	69.7	67.9	56.0	48.1	28.9	32.1	18.2	18.5	15.3
Dept of the Interior, total	339.1	319.7	374.0	410.8	418.8	430.6	382.4	384.9	416.1	395.9	389.6
Bonneville Power Admin ⁹	7.1	.0	.0	.0	.0	14.4	NA	NA	NA	NA	NA
Bureau of Land Management	7	9	1.2	1.3	1.7	1.9	5.3	3.9	3.8	4.4	3.4
Bureau of Mines	131.3	105.3	121.1	121.3	114.4	97.4	94.8	88.6	108.8	89.9	84.4
Bureau of Reclamation	8.3	9.9	11.2	12.2	14.1	14.3	10.1	10.0	10.4	13.2	10.2
Geological Survey ¹⁰	110.3	117.5	133.7	145.6	146.3	169.8	152.6	158.4	209.9	215.7	219.5
Heritage Conservation & Recreation Service	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Minerals Management Service	NA	NA	NA	NA	NA	NA	0	1.5	1.5	1.4	1.1
National Park Service	9.3	7.8	7.7	8.9	8.2	10.4	11.2	13.7	14.0	15.0	17.3
Office of the Secretary	1.0	4.5	1.7	1.4	2.2	1.5	.5	7.4	1	1.9	1.0
Office of Surface Mining Reclamation & Enforcement	NA	.0	2.2	5.0	7.8	5.8	1.5	1.5	.8	2.0	2.3
Office of Water Rsch & Tech ¹⁰	19.0	16.0	28.0	28.0	30.0	21.8	12.3	2.2	3.6	NA	NA
US Fish & Wildlife Svc	52.0	57.7	67.2	87.1	94.1	93.3	94.2	97.7	63.3	52.4	50.5
Department of Justice, total	33.9	27.7	60.9	43.0	41.5	26.5	26.7	31.4	24.5	36.0	36.5
Bureau of Prisons	8	1.1	3.6	3.4	2.1	2.5	1.7	1.7	1.6	1.5	3.0
Drug Enforcement Admin	2.5	3.0	1.9	2.4	2.7	1.3	3.2	2.5	1.9	1.6	2.5
Federal Bureau of Investigation	1.2	1.4	1.8	3.1	1.4	.7	2.7	2.5	1.0	9.5	7.2
Immigration & Naturalization Service	1	.3	.4	.2	.3	.1	.6	.6	.6	.4	.4
Office of Justice Programs	29.2	21.8	51.6	32.2	33.2	21.0	18.0	23.8	19.5	22.7	23.2
Office of Legal Policy	.0	.0	1.6	1.7	1.8	.8	.4	.3	.0	.3	.2

See explanatory information, if any, and SOURCE at end of table.

Table C-93. Federal obligations for research and development and for R&D plant, by agency:
fiscal years 1976-86

[Dollars in millions]

Page 3 of 4

Agency and subdivision	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Department of Labor, total	28.5	29.6	97.8	137.0	138.1	62.2	25.4	19.9	16.3	13.3	10.4
Bureau of Labor Statistics	1.3	1.4	1.2	9	9	3	3	7	5	6	6
Employment Standards Admin	4.3	4.4	3.7	5.3	4.9	3.2	1.4	1.4	9	-	0
Employment & Training Admin	17.5	16.8	86.6	120.8	121.7	52.4	16.1	9.0	6.1	3.5	3.5
Labor-Management Relations & Cooperative Programs ¹	NA	NA	NA	NA	NA	NA	NA	NA	3	3	2
Labor Management Services Administration ¹	7	3.3	2.8	3.2	2.8	1.8	7	9	NA	NA	NA
Occupational Safety & Health Administration	2.9	3.4	1.3	5.1	6.3	3.0	4.9	5.3	5.1	4.5	3.6
Office of the Secretary	1.8	2	2.2	1.6	1.4	1.1	9	1.5	1.9	2.6	2.1
Pension Benefit Guaranty Corp	NA	NA	NA	NA	NA	5	1.1	1.1	3	2	1
Pension & Welfare Benefits Administration	NA	NA	NA	NA	NA	NA	NA	NA	1.2	1.6	3
Department of State, total ²	44.5	77.6	85.4	3.2	2.2	1.8	1.5	1.5	1.6	1.5	1.5
Agcy for Internat'l Dvlpmnt ²	42.9	75.3	82.6	NA	NA	NA	NA	NA	NA	NA	NA
Departmental Funds	1.6	2.3	2.8	3.2	2.2	1.8	0	0	0	0	0
Dept of Transportation, total	308.7	377.1	422.4	392.7	384.5	434.5	322.0	369.6	465.2	437.9	397.5
Coast Guard	12.8	19.5	24.4	21.1	18.0	26.3	20.0	19.6	19.5	19.0	16.9
Federal Aviation Admin	100.1	106.4	111.5	120.4	108.8	128.9	99.4	147.6	282.6	294.8	271.5
Federal Highway Admin	29.3	55.9	52.1	53.5	58.3	51.2	40.3	50.4	46.4	49.0	46.1
Federal Railroad Admin	60.5	58.5	65.7	56.1	56.4	46.1	24.5	16.5	19.2	15.0	15.4
Federal Transit Admin	48.8	61.6	69.6	58.0	54.4	78.2	61.4	57.0	20.1	10.2	8.2
Maritime Administration ⁴	NA	NA	NA	NA	NA	14.2	11.1	15.0	9.9	13.9	9.4
National Highway Traffic Safety Administration	31.4	47.2	66.5	56.8	63.8	66.4	55.9	52.5	57.4	28.6	22.9
Office of the Secretary	25.8	28.0	31.7	11.7	10.8	10.1	3.3	4.9	4.9	4.8	5.1
Rsch & Special Programs Administration	NA	0	9	15.0	14.0	13.1	6.1	6.2	5.2	2.7	2.0
Dept of the Treasury, total	3.8	4.9	9.9	9.6	12.1	11.4	13.4	15.6	13.9	24.4	24.2
Bureau of Alcohol, Tobacco, & Firearms	0	1.1	2.0	2.5	1.6	3	NA	NA	NA	NA	NA
Bureau of Engraving & Printing	2.8	2.5	3.7	2.1	2.3	2.7	4.8	3.9	3.6	5.0	4.2
Internal Revenue Service	0	0	2.4	3.6	4.0	4.2	5.4	8.0	8.2	15.9	14.2
United States Customs Svc	1.1	1.3	1.8	1.4	3.9	3.5	3.2	3.4	1.9	2.3	4.9
United States Mint	0	0	0	0	0	0	0	0	0	6	3
United States Secret Service	NA	NA	NA	NA	4	6	0	3	2	6	5
Department of Veterans Affairs	109.5	112.9	118.1	132.1	137.8	159.2	140.1	171.9	196.4	229.9	191.0
Other agencies:											
ACTION	1	5	1.6	1.6	0	0	0	0	0	0	0
Advisory Commission on Intergovernmental Relations	1.0	1.5	1.7	1.7	2.2	2.2	2.0	2.1	2.1	2.4	2.1
Appalachian Regional Comm	7	7	5	9	8	4	4	2	5	2	2
Civil Service Commission	4.0	3.9	NA	NA	NA	NA	NA	NA	NA	NA	NA
Community Services Admin	10.2	24.0	24.3	20.7	30.3	18.3	NA	NA	NA	NA	NA
Consumer Product Safety Comm	5.8	6.7	4.1	6.6	6.2	5	2	5	1.3	2.4	2.0
Energy Rsch & Dvlpmnt Admin ⁸	2,902.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Environmental Protection Agcy	265.4	297.6	389.3	412.5	345.0	325.7	335.1	240.7	251.2	320.4	317.3
Federal Communications Comm	1.5	2.0	2.4	2.9	3.4	1.8	1.2	1.3	9	1.2	9
Federal Emergency Management Agency, total ⁶	NA	NA	7.0	12.6	11.8	11.6	9.2	3.3	11.5	4.1	0
National Fire Prevention & Control Administration ⁵	NA	NA	7.0	0	0	0	0	0	0	0	0
Federal Energy Administration	3.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Federal Trade Commission	9	1.1	1.4	1.5	3.0	1.1	1.2	1.4	1.6	1.7	1.8
Foundation for Educational Assistance ⁷	NA	NA	NA	NA	NA	104.9	NA	NA	NA	NA	NA
General Services Admin ³	1.1	9	2.7	5	2	6	1.0	5	2.4	4	20.0

See explanatory information, if any, and SOURCE at end of table.

**Table C-93. Federal obligations for research and development and for R&D plant, by agency:
fiscal years 1976-86**

[Dollars in millions]

Page 4 of 4

Agency and subdivision	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
International Development Cooperation Agcy, total ^{1,2}	NA	NA	NA	112.9	155.6	142.2	205.9	232.0	245.0	227.2	258.7
Agcy for Internat'l Dvlpmt ^{1,2}	NA	NA	NA	112.9	155.6	142.2	205.9	232.0	245.0	227.2	258.7
Interstate Commerce Comm	0.1	0.1	0.3	2	1	0	0	0	0	0	0
Library of Congress	3.0	3.8	4.9	5.9	6.9	4.9	5.7	7.4	7.5	7.1	6.6
National Aeronautics & Space Administration	3,529.0	3,288.9	3,495.6	3,725.9	3,393.2	3,708.9	3,191.6	2,762.3	3,066.1	3,561.5	3,694.8
National Archives & Records Administration ^{1,3}	NA	NA	NA	NA	NA	NA	NA	NA	NA	5	1.0
National Science Foundation	661.8	724.1	788.5	838.1	900.5	976.2	976.8	1,065.2	1,248.0	1,419.1	1,406.5
Nuclear Regulatory Commission	98.1	119.4	140.8	157.4	190.4	227.3	220.3	207.3	190.7	150.0	123.8
Office of Personnel Management	NA	NA	4.5	6.0	6.8	8.4	0	0	0	0	0
Office of Telecommunications Policy	4.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Office of Thrift Supervision	8	1.7	1.0	9	1.2	1.0	2.7	3.0	2.6	2.8	3.3
Small Business Administration	1	5	0	0	0	0	0	0	0	0	0
Smithsonian Institution	26.2	29.8	35.1	37.9	41.9	45.3	52.9	57.0	63.8	72.7	64.0
Tennessee Valley Authority	28.9	30.2	53.4	89.2	80.7	69.3	85.3	63.3	68.3	80.0	78.3
United States Arms Control & Disarmament Agency	1.4	2.2	3.6	3.5	3.8	2.4	1.9	1.0	1.3	1.1	9
US Information Agency ^{1,4}	1	1	1	1	1	1.5	1	-	1.4	1	2.0
US Internat'l Trade Comm	1.5	2.6	3.1	3.4	2.1	3.4	3.8	4.7	5.0	5.8	6.9

¹ Although the Agricultural Marketing Service was established in April 1972, fiscal year 1979 was the first year in which Congress appropriated funds to this agency.

² Data reported for the Economics, Statistics, & Cooperative Service include programs of the Economic Research Service, the Statistical Reporting Service, and the Farmer Cooperative Service for fiscal years 1977-79.

³ Data reported for the Economics & Statistics Service include programs of the Economic Research Service and the Statistical Reporting Service for fiscal year 1980.

⁴ In 1981 the Maritime Administration moved from the Department of Commerce to the Department of Transportation.

⁵ Functions for the National Fire Prevention & Control Administration transferred from the Department of Commerce to the Federal Emergency Management Agency as of Apr. 1, 1979.

⁶ Functions for the Defense Civil Preparedness Agency transferred from the Department of Defense to the Federal Emergency Management Agency on July 20, 1979.

⁷ The 1983 Budget of the United States Government proposed that the Department of Education be replaced by the Foundation for Educational Assistance.

⁸ In 1977 the Energy Research & Development Administration became part of the Department of Energy.

⁹ In fiscal year 1982 the Bonneville Power Administration became part of the Department of Energy.

¹⁰ As of 1985 the Office of Water Research & Technology has been combined with the Geological Survey.

¹¹ In 1984 the Labor-Management Services Administration was replaced by Labor-Management Relations & Cooperative Programs.

¹² The Agency for International Development transferred from the Department of State to the International Development Cooperative Agency on Oct. 1, 1979.

¹³ As of 1985 the National Archives & Records Administration is separate from the General Services Administration.

¹⁴ Data reported for the United States Information Agency include funds for the former International Communication Agency for fiscal years 1977-81.

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: = Amount less than 50 thousand dollars

NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

BEST COPY AVAILABLE

**Table C-93a. Federal obligations for research and development and for R&D plant, by agency:
fiscal years 1987-97**

[Dollars in millions]

Page 1 of 4

Agency and subdivision	1987	1988	1989	1990	1991	1992	1993	1994	1995	Preliminary	
										1996	1997
Total, all agencies	57,099.7	58,826.5	63,571.6	65,831.2	64,148.0	68,577.2	70,414.7	69,427.0	71,011.8	71,047.8	70,148.7
Departments:											
Dept of Agriculture, total	1,059.6	1,151.8	1,127.5	1,210.6	1,381.3	1,491.8	1,470.2	1,525.3	1,523.1	1,501.8	1,493.8
Agricultural Cooperative Svc	2.7	2.7	2.8	2.7	2.8	3.4	2.9	3.7	NA	NA	NA
Agricultural Marketing Svc ¹	1.5	1.6	1.5	2.7	4.2	4.7	4.7	4.8	4.8	4.9	4.9
Agricultural Research Svc ²	522.4	561.2	578.7	589.9	655.7	725.2	705.5	757.0	751.0	759.3	819.9
Animal & Plant Health Inspection Service	4.9	6.2	7.7	14.0	15.7	16.7	17.1	19.2	19.1	21.2	20.6
Cooperative State Rsch, Ed, & Extension Service ³	338.3	374.7	339.4	371.1	438.3	481.2	479.2	471.6	489.0	473.2	402.2
Economic Research Service	44.8	48.1	49.5	50.5	54.4	58.9	58.9	55.2	53.8	53.1	54.9
Foreign Agricultural Svc ⁴	0	0	0	0	0	0	0	8	5	1.4	1.4
Forest Service	127.1	138.4	133.0	163.5	193.1	184.3	186.3	198.0	197.8	180.5	181.8
Grain Inspection Packers & Stockyards Administration ⁵	1.2	1.0	1.1	6	7	1.5	1.8	1.8	1.5	2.8	2.8
Human Nutrition Information Service ²	6.8	8.2	8.4	9.0	9.9	10.7	8.4	7.0	NA	NA	NA
National Agricultural Statistics Service	3.4	3.6	2.9	2.8	3.2	3.6	3.9	3.9	4.0	3.9	3.9
Office of International Cooperation & Dvlpmnt ⁴	5.6	5.0	2.5	3.6	3.1	1.5	1.5	0	NA	NA	NA
Office of Transportation	1.1	1.1	NA	NA	NA	NA	NA	NA	NA	NA	NA
Rural Business-Cooperative Service ⁶	NA	NA	NA	NA	NA	NA	NA	2.4	1.6	1.4	1.4
Department of Commerce, total	407.5	400.2	407.0	453.5	505.4	672.2	681.7	857.3	1,213.7	1,252.4	1,201.4
Bureau of the Census	4.7	5.7	4.9	6.9	6.6	5.3	5.4	4.8	4.9	7.1	7.1
Economic Development Admin	5.0	4.2	1.0	1.2	1.4	5	0	6	5	5	1.5
National Institute of Standards & Technology	100.7	118.7	124.2	131.0	148.4	190.2	219.8	284.1	640.5	711.2	647.0
National Oceanic & Atmospheric Administration	289.3	263.5	269.1	306.7	345.3	472.2	452.4	562.9	561.4	529.1	541.1
National Telecommunications & Information Administration	7.8	8.1	7.8	7.7	3.6	4.0	4.2	4.8	6.4	4.5	4.7
Office of the Secretary	-	0	0	0	0	0	0	0	-	-	0
Department of Defense, total	35,708.7	35,684.6	38,076.2	37,755.5	32,560.5	36,526.0	36,220.7	34,787.5	34,427.3	34,368.8	33,004.3
Department of the Army	5,085.2	4,898.8	5,704.5	5,737.2	6,172.5	6,876.2	6,227.2	5,576.2	5,424.7	4,838.5	4,377.7
Department of the Navy	9,576.8	9,588.9	9,755.7	9,646.6	7,860.0	8,126.8	9,148.3	9,005.1	8,974.5	8,812.3	7,593.6
Department of the Air Force	15,618.0	15,011.0	15,487.6	15,153.6	11,089.8	13,606.8	12,866.9	12,626.8	11,835.7	12,123.6	13,379.7
Defense Agencies	5,291.8	5,957.3	6,973.3	6,996.8	7,200.9	7,670.5	7,723.3	7,336.5	7,939.6	8,343.6	7,380.3
Operational Test & Evaluation, Director	8.4	68.2	14.4	32.6	13.6	12.4	12.3	11.2	21.7	23.0	22.0
Test & Evaluation, Deputy Under Secretary of Defense	128.5	160.3	140.7	188.7	223.7	233.2	242.5	231.8	231.0	227.8	251.0
Department of Education	153.5	145.9	161.0	178.8	175.2	170.9	179.9	178.4	179.4	181.7	188.1
Department of Energy	5,529.4	5,951.4	6,065.6	6,546.6	7,203.2	7,493.0	7,723.7	6,959.8	6,890.0	6,431.5	6,721.1

See explanatory information, if any, and SOURCE at end of table.

**Table C-93a. Federal obligations for research and development and for R&D plant, by agency:
fiscal years 1987-97**

[Dollars in millions]

Page 2 of 4

Agency and subdivision	1987	1988	1989	1990	1991	1992	1993	1994	1995	Preliminary	
										1996	1997
Department of Health & Human Services, total	6,643.0	7,177.6	7,981.4	8,513.4	9,842.3	9,084.6	10,498.5	11,141.7	11,711.0	12,218.0	12,614.2
Administration on Aging ⁷	NA	NA	NA	NA	20.6	20.2	20.9	19.1	20.7	3.7	3.2
Administration for Children & Families ^{8, 7}	NA	NA	NA	NA	129.0	39.2	19.9	11.3	12.0	9.0	19.0
Agency for Health Care Policy & Research ⁹	NA	NA	NA	49.7	101.1	106.3	114.8	154.4	135.3	65.2	84.0
Alcohol, Drug Abuse, & Mental Health Administration ¹⁰	476.1	554.8	695.7	842.7	1,460.6	NA	NA	NA	NA	NA	NA
Centers for Disease Control & Prevention	66.2	88.7	117.8	95.6	113.4	146.9	162.5	206.8	317.4	323.2	361.2
Food & Drug Administration	85.8	91.5	122.0	122.0	143.5	150.0	174.2	177.8	175.8	182.6	178.8
Health Care Financing Admin	27.3	28.2	49.1	49.1	69.1	75.5	68.2	80.0	74.5	54.5	55.3
Hlth Resources & Svcs Admin	9.3	10.0	10.5	11.9	11.0	10.5	11.0	17.8	14.8	14.0	12.7
Human Development Svcs ⁷	53.0	54.0	101.7	95.4	NA	NA	NA	NA	NA	NA	NA
National Insts of Health ¹⁰	5,886.2	6,309.9	6,833.8	7,221.3	7,763.4	8,491.4	9,893.3	10,439.9	10,930.6	11,556.3	11,890.5
Office of the Assistant Secretary for Health ⁹	21.2	21.0	27.2	6.9	10.0	6.7	1.2	8	3	5	6
Office of the Secretary	8.2	4.7	7.8	5.0	8.8	5.0	8.0	11.7	9.1	9.0	9.0
Social Security Admin ¹¹	9.8	14.7	15.8	13.9	11.9	33.0	24.5	22.2	20.4	NA	NA
Dept of Housing & Urban Dvlpmt	16.3	18.4	18.0	19.3	27.8	25.1	23.6	39.6	41.8	35.0	45.5
Dept of the Interior, total	415.7	426.1	479.8	522.6	615.1	627.6	642.2	703.1	568.3	567.5	580.6
Bureau of Land Management	3.7	3.7	3.0	2.8	8.8	6.3	8.9	0	0	0	0
Bureau of Mines	88.8	91.3	101.2	102.3	108.2	107.1	111.9	107.9	0	NA	NA
Bureau of Reclamation	10.7	4.4	4.2	5.8	8.7	13.2	10.3	7.4	8.0	6.0	7.6
Geological Survey ¹²	227.6	236.9	281.1	309.7	359.8	365.7	360.4	377.4	367.4	519.9	530.6
Minerals Management Service	1.0	1.2	2.2	2.0	2.9	4.8	6.9	21.8	21.0	21.8	21.6
Nat'l Biological Svc ^{13, 12}	NA	NA	NA	NA	NA	NA	0	164.2	152.1	NA	NA
National Park Service ¹³	18.5	19.4	19.4	20.1	27.5	31.1	38.1	24.2	19.7	19.8	20.8
Office of the Secretary	0	4	4	2	6	9	4	1	-	-	0
Office of Surface Mining Reclamation & Enforcement	1.0	1.0	7	7	1.0	3	5	0	0	0	0
US Fish & Wildlife Svc ¹³	64.3	67.8	67.5	78.9	97.6	98.2	104.8	0	0	0	0
Department of Justice, total	53.5	43.1	38.2	40.5	48.9	48.0	48.9	45.0	57.9	80.9	93.7
Bureau of Prisons ¹⁴	7.1	6.0	5.1	4.5	5.2	5.9	6.1	5.4	5.7	4.7	4.7
Drug Enforcement Admin	2.2	2.5	2.7	2.4	2.7	1.4	9	9	4	1.2	5
Federal Bureau of Investigation	19.1	12.7	7.7	8.2	10.8	10.9	11.3	7.0	10.9	36.8	34.8
Immigration & Naturalization Service	4	3	1	4	4	4	4	4	4	4	4
Office of Justice Programs	24.6	21.5	22.5	25.0	29.8	29.4	30.2	31.4	40.5	37.8	53.2
Office of Legal Policy	1	0	0	0	0	0	0	0	0	0	0
Department of Labor, total	21.6	35.6	35.4	73.0	44.0	51.7	55.0	59.7	53.7	46.5	42.9
Bureau of Labor Statistics	6.5	7.0	7.0	7.3	7.5	7.6	6.9	7.1	13.1	13.3	12.6
Employment Standards Admin	1.0	.1	1	1	0	0	0	0	0	0	0
Employment & Training Admin	5.7	14.9	15.7	53.4	22.1	31.7	35.9	40.0	25.6	20.8	17.3
Labor Management Relations & Cooperative Programs	3	4	3	NA	NA	NA	NA	NA	NA	NA	NA
Occupational Safety & Health Administration	4.1	4.2	4.5	2.5	2.6	3.1	2.5	3.3	4.4	3.2	3.5
Office of the Secretary	2.7	6.1	6.1	7.1	8.7	5.9	5.8	5.3	6.3	6.4	6.5
Pension Benefit Guaranty Corp	.3	.3	.3	.5	.5	.9	1.3	1.3	.8	.6	.7
Pension & Welfare Benefits Administration	1.0	2.7	1.4	2.1	2.5	2.6	2.6	2.7	3.6	2.3	2.3
Department of State ¹⁵	3.0	4.2	4.7	4.7	5.9	5.6	5.3	8.2	5.0	4.3	4.3

See explanatory information, if any, and SOURCE at end of table.

Table C-93a. Federal obligations for research and development and for R&D plant, by agency:
fiscal years 1987-97

[Dollars in millions]

Page 3 of 4

Agency and subdivision	1987	1988	1989	1990	1991	1992	1993	1994	1995	Preliminary	
										1996	1997
Dept of Transportation, total	336.2	318.5	318.9	388.3	398.3	470.3	577.6	661.7	755.8	670.5	728.2
Coast Guard	17.0	21.4	17.9	20.6	25.9	20.5	33.4	22.8	20.2	20.6	20.3
Federal Aviation Admin	177.7	173.8	162.3	237.5	236.4	260.2	271.3	318.6	310.1	238.2	240.9
Federal Highway Admin	76.9	74.1	91.0	91.5	96.9	131.0	175.7	242.0	315.6	308.6	363.4
Federal Railroad Admin	11.2	10.4	9.0	10.2	17.6	22.8	26.8	20.6	30.1	34.5	27.6
Federal Transit Admin ¹⁶	12.6	2.3	1.4	1.6	1.7	1.7	31.3	19.9	28.7	16.0	14.6
Maritime Administration	5.8	5	0	9	1.7	1.8	1.7	1.7	2.5	0	2.0
National Highway Traffic Safety Administration	28.4	28.3	29.7	16.9	21.4	25.8	31.6	25.3	39.7	38.2	45.7
Office of the Secretary	4.5	5.7	5.5	6.8	4.3	4.1	4.5	5.4	3.9	2.9	2.8
Rsch & Special Programs Administration	2.1	2.1	2.0	2.4	2.4	2.5	1.3	5.3	5.0	11.5	10.9
Dept of the Treasury, total	27.0	26.2	25.7	25.7	31.0	24.8	16.8	19.1	61.5	63.8	64.5
Bureau of Engraving & Printing	4.5	2.0	1.7	2.1	3.5	2.0	3.2	1.7	1.8	2.2	2.0
Financial Crimes Enforcement Network	0	0	0	0	2.3	1.2	1.5	0	0	0	0
Internal Revenue Svc ^{17, 18}	14.6	14.4	14.4	16.8	17.9	17.9	6.5	11.3	49.7	50.6	54.3
Off of Thrift Supervision ¹⁹	NA	NA	NA	0	3.0	8	7	5	6	5	6
United States Customs Svc	7.1	9.3	6.9	6.3	3.8	2.3	4.1	4.6	8.6	9.6	6.5
United States Mint	2	1	2.0	1	1	0	1	5	3	2	4
US Secret Service ²⁰	5	4	6	5	4	6	6	5	6	6	6
Department of Veterans Affairs	215.4	234.8	245.7	241.0	220.0	229.6	239.5	259.7	245.1	279.8	262.3
Other agencies:											
Advisory Commission on Intergovernmental Relations	1.9	1.8	1.1	1.5	1.7	1.7	2.1	1.4	1.4	1.4	0
Appalachian Regional Comm	1	2	8	4	7	1.9	9	9	9	9	9
Consumer Product Safety Comm	2.2	1.1	1.3	1.1	1.3	1.1	1.2	3	4	1	0
Environmental Protection Agcy	348.2	347.4	380.3	419.7	432.6	483.9	497.8	558.3	556.3	461.9	585.7
Federal Communications Comm	1.0	1.2	1.1	1.3	1.4	1.6	1.6	1.7	2.3	2.8	2.7
Federal Trade Commission	5	4	4	5	1.0	1.3	9	7	6	1.0	1.0
General Services Admin	1.6	2.3	5	19.5	22.6	6.5	1.0	3	1	2	0
International Development Cooperation Agcy, total	224.3	210.6	279.1	334.6	377.7	365.9	382.2	254.3	302.5	246.5	186.8
Agcy for Internat'l Dvlpmnt ¹⁵	224.3	210.6	279.1	334.6	377.7	365.9	382.2	254.3	302.5	246.5	186.8
Library of Congress	6.5	7.1	8.0	8.4	9.0	10.3	10.5	10.0	10.2	8.3	9.1
National Aeronautics & Space Administration	4,096.5	4,758.6	5,913.0	7,060.3	8,003.8	8,475.4	8,769.2	8,811.5	9,639.7	9,946.2	9,519.0
Nat'l Archives & Records Admin	1.1	7	3	4	7	7	3	3	1	1	1
National Science Foundation	1,531.8	1,589.6	1,724.0	1,728.8	1,944.8	1,970.0	2,012.3	2,212.2	2,438.9	2,360.5	2,479.2
Nuclear Regulatory Commission	122.5	108.5	114.8	108.8	108.8	119.0	119.8	90.7	88.2	59.2	59.0
Office of Thrift Supervision ¹⁹	3.4	3.4	4.1	4.1	NA	NA	NA	NA	NA	NA	NA
Smithsonian Institution	74.4	75.8	83.6	88.8	99.5	101.8	107.0	129.2	129.0	130.4	141.8
Social Security Admin ¹¹	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.3	27.7

See explanatory information, if any, and SOURCE at end of table.

**Table C-93a. Federal obligations for research and development and for R&D plant, by agency:
fiscal years 1987-97**

[Dollars in millions]

Page 4 of 4

Agency and subdivision	1987	1988	1989	1990	1991	1992	1993	1994	1995	Preliminary	
										1996	1997
Tennessee Valley Authority	78.2	87.7	62.8	69.8	73.1	100.5	109.6	97.9	94.1	104.4	77.0
United States Arms Control & Disarmament Agency ²¹	4.6	3.4	2.8	2	4	2.1	1.5	1.3	1.1	5	1.0
US Information Agency	3.5	4	1	5	1	0	1.1	6	3	2	1
US Internat'l Trade Comm	7.2	8.1	8.7	9.1	9.9	12.3	12.2	9.4	12.2	12.7	12.5

- ¹ Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.
- ² The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.
- ³ The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.
- ⁴ The Office of International Cooperation & Development became part of the Foreign Agricultural Service (FAS) in June 1994. Data reported for FAS include funds appropriated to International Cooperation & Development programs within FAS as of fiscal year 1994.
- ⁵ The Federal Grain Inspection Service was abolished on Oct. 20, 1994, and its functions were assumed by the Grain Inspection Packers & Stockyards Administration.
- ⁶ This agency's name changed from the Rural Business & Cooperative Development Service to the Rural Business-Cooperative Service on Jan. 30, 1996.
- ⁷ In fiscal year 1991 Human Development Services was replaced by the Administration for Children & Families (ACF) and by the Administration on Aging (AoA). Beginning in fiscal year 1992, data shown for the ACF are separate from obligations for the AoA.
- ⁸ Obligations reported for the Administration for Children & Families may be incomplete for fiscal year 1992 due to unavailability of data.
- ⁹ In fiscal year 1991 the Agency for Health Care Policy & Research became separate from the Office of the Assistant Secretary for Health.
- ¹⁰ Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.
- ¹¹ As of Mar. 31, 1995, the Social Security Administration became an independent agency; it is no longer part of the Department of Health & Human Services.
- ¹² As of fiscal year 1996, data for the National Biological Service (NBS) are included with the Geological Survey's submission, since NBS's funding comes from the Geological Survey's congressional appropriation.
- ¹³ The National Biological Service's (NBS) name changed from the National Biological Survey on Jan. 5, 1995. As of fiscal year 1994, NBS performs all biological research activities formerly funded by the United States Fish & Wildlife Service and the National Park Service.
- ¹⁴ The Bureau of Prisons was formerly listed as the Federal Prison System.
- ¹⁵ Increases in outlays and obligations reported by the Department of State during the Vol. 44 survey cycle reflect reporting of monies received through interagency agreements with the Agency for International Development. The Department of State transfers these outlays and obligations to other R&D performers.
- ¹⁶ The name of this agency changed from the Urban Mass Transit Administration to the Federal Transit Administration on Dec. 18, 1991.
- ¹⁷ Due to the reorganization of the Internal Revenue Service and subsequent unavailability of data, fiscal year 1992 figures are taken from estimates made in the Vol. 41 submission.
- ¹⁸ Large changes in obligations reported by the Internal Revenue Service for Vol. 44 are due to shifts in research funding.
- ¹⁹ In 1989 the Federal Home Loan Bank Board was replaced by the Office of Thrift Supervision. In 1990 the Office of Thrift Supervision became part of the Department of the Treasury.
- ²⁰ The United States Secret Service was formerly listed as the Office of Protective Research.
- ²¹ Fiscal year 1994 figures for the United States Arms Control & Disarmament Agency are estimates based on the agency's Vol. 43 submission.

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: - = Amount less than 50 thousand dollars
NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

**Table C-94. Federal obligations for research and development, by agency:
fiscal years 1976-86**

[Dollars in millions]

Page 1 of 4

Agency and subdivision	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Total, all agencies	20,779.7	23,450.4	25,845.1	28,145.1	29,830.4	33,103.9	36,432.6	38,711.5	42,224.9	48,359.6	51,412.4
Departments											
Dept of Agriculture, total	462.4	547.0	621.3	663.0	687.6	774.0	797.3	847.6	866.2	943.0	928.5
Agricultural Cooperative Svc	NA	NA	NA	NA	1.6	1.7	1.7	2.1	2.2	2.9	2.6
Agricultural Marketing Svc ¹	0	0	0	1.0	1.3	1.1	1.2	1.4	1.5	1.7	1.6
Agricultural Research Svc	NA	NA	NA	NA	NA	394.1	404.9	443.4	451.3	469.7	463.4
Animal & Plant Health Inspection Service	NA	0	0	0	0	0	0	0	0	0	4.2
Cooperative State Rsch, Ed, & Extension Service	NA	NA	NA	NA	NA	199.4	219.0	232.3	235.7	284.3	269.0
Economic Research Service	NA	NA	NA	NA	NA	39.3	39.3	38.8	43.7	46.4	44.6
Economics, Statistics, & Cooperative Svc, total ²	27.0	30.5	32.7	35.5	NA	NA	NA	NA	NA	NA	NA
Economic Research Service	24.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Farmer Cooperative Service	1.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Statistical Reporting Svc	1.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Economics & Statistics Svc ³	NA	NA	NA	NA	31.1	NA	NA	NA	NA	NA	NA
Forest Service	79.9	90.3	105.6	107.5	111.5	126.1	112.1	107.7	108.4	113.1	113.3
Grain Inspection Packers & Stockyards Administration	0	0	0	0	0	0	0	0	0	9	1.0
Human Nutrition Information Service	NA	NA	NA	NA	NA	0	8.5	8.2	6.0	6.7	12.8
National Agricultural Statistics Service	0	NA	NA	NA	NA	7.5	7.0	7.6	8.2	8.4	8.0
Office of International Cooperation & Development	NA	NA	NA	0	5.3	3.9	2.6	5.3	8.2	7.7	7.0
Office of Transportation	NA	NA	NA	7	8	9	9	8	1.0	1.2	1.0
Science & Ed Admin, total	355.5	426.2	483.0	518.4	536.0	NA	NA	NA	NA	NA	NA
Agricultural Research Svc	242.1	298.9	325.5	345.8	351.8	NA	NA	NA	NA	NA	NA
Cooperative State Rsch Svc	113.4	127.3	157.4	172.6	184.2	NA	NA	NA	NA	NA	NA
Nat'l Agricultural Library	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Department of Commerce, total	228.9	244.7	283.7	309.4	342.5	327.9	336.3	335.0	358.2	398.8	399.2
Bureau of the Census	2.5	2.6	3.4	3.1	3.2	3.9	3.8	4.3	4.4	4.9	4.7
Economic Development Admin	15.1	15.0	38.5	43.1	32.3	28.1	9.6	5.3	5.1	13.0	10.3
Maritime Administration ⁴	19.0	14.8	19.6	19.6	19.4	NA	NA	NA	NA	NA	NA
Minority Business Dvlpmnt Agcy	2.0	3.4	0	0	0	0	0	0	0	0	0
National Fire Prevention & Control Administration ⁵	6.4	6.6	NA	NA	NA	NA	NA	NA	NA	NA	NA
National Institute of Standards & Technology	47.4	53.2	58.3	67.8	76.2	82.5	88.8	95.0	95.5	100.5	100.8
National Oceanic & Atmospheric Administration	135.1	145.7	161.5	171.2	199.8	201.4	222.0	222.0	244.3	269.8	274.7
National Telecommunications & Information Administration	NA	2.9	1.8	4.1	10.7	10.9	11.3	8.3	8.7	9.1	8.4
Office of the Secretary	0	0	0	1	6	0	-	-	1	1.4	3
Office of Telecommunications	9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Patent & Trademark Office	4	5	5	5	5	1.1	7	0	0	0	0
Department of Defense, total	9,654.7	10,963.4	11,553.6	12,506.2	13,981.0	16,508.6	20,622.6	22,992.8	25,372.9	29,791.5	32,937.9
Department of the Army	2,013.7	2,441.9	2,548.9	2,768.7	2,980.0	3,244.2	3,760.5	3,998.1	4,225.5	4,570.8	4,809.4
Department of the Navy	3,328.0	3,817.4	3,998.4	4,335.0	4,706.1	5,006.0	5,845.1	6,068.2	7,605.6	9,127.4	9,650.3
Department of the Air Force	3,726.6	4,031.1	4,262.3	4,525.6	5,211.0	6,969.2	9,357.9	10,812.6	12,091.6	13,260.9	13,593.8
Defense Agencies	561.6	641.4	707.9	847.6	1,046.0	1,248.2	1,618.1	2,052.3	1,391.5	2,781.7	4,767.4
Defense Civil Preparedness Agency ⁶	7	1.3	7.5	NA	NA	NA	NA	NA	NA	NA	NA
Test & Evaluation, Deputy Under Secretary of Defense	24.1	30.2	28.6	29.3	37.9	41.1	41.0	61.6	58.6	50.6	117.1

See explanatory information, if any, and SOURCE at end of table.

**Table C-94. Federal obligations for research and development, by agency:
fiscal years 1976-86**

[Dollars in millions]

Page 2 of 4

Agency and subdivision	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Department of Education ⁷	NA	NA	NA	166.3	139.4	.0	128.0	111.7	115.7	124.9	121.3
Department of Energy ^{8,9}	NA	3,536.2	4,244.8	4,638.8	4,753.7	4,918.2	4,708.2	4,536.7	4,673.6	4,966.0	4,688.3
Department of Health, Education, & Welfare, total	2,583.6	2,823.3	3,207.3	NA	NA	NA	NA	NA	NA	NA	NA
Alcohol, Drug Abuse, & Mental Health Administration	139.5	153.0	180.2	NA	NA	NA	NA	NA	NA	NA	NA
Center for Disease Control	49.6	55.3	60.1	NA	NA	NA	NA	NA	NA	NA	NA
Food & Drug Administration	37.1	42.9	64.1	NA	NA	NA	NA	NA	NA	NA	NA
Health Care Financing Admin	NA	30.0	19.4	NA	NA	NA	NA	NA	NA	NA	NA
Health Resources Admin	38.2	7.4	5.5	NA	NA	NA	NA	NA	NA	NA	NA
Health Services Admin	17.5	17.7	18.2	NA	NA	NA	NA	NA	NA	NA	NA
National Inst of Education	63.7	64.9	89.5	NA	NA	NA	NA	NA	NA	NA	NA
National Insts of Health	2,060.2	2,279.9	2,580.9	NA	NA	NA	NA	NA	NA	NA	NA
Office of Assistant Secretary for Education	1.0	1.0	1.3	NA	NA	NA	NA	NA	NA	NA	NA
Office of Assistant Secretary for Health	.0	32.2	36.2	NA	NA	NA	NA	NA	NA	NA	NA
Office of Education	58.2	31.1	32.9	NA	NA	NA	NA	NA	NA	NA	NA
Office of Human Dvlpmt Svcs	61.9	76.8	75.8	NA	NA	NA	NA	NA	NA	NA	NA
Office of the Secretary	23.7	20.0	30.2	NA	NA	NA	NA	NA	NA	NA	NA
Social & Rehabilitation Svc	18.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Social Security Admin	14.4	11.2	12.9	NA	NA	NA	NA	NA	NA	NA	NA
Department of Health & Human Services, total	NA	NA	NA	3,504.9	3,780.2	3,927.1	3,940.7	4,352.5	4,830.7	5,451.0	5,657.6
Alcohol, Drug Abuse, & Mental Health Administration	NA	NA	NA	214.3	233.5	239.4	248.1	302.2	337.2	377.6	396.1
Centers for Disease Control & Prevention	NA	NA	NA	76.3	87.3	74.8	75.0	78.2	46.3	47.6	52.2
Food & Drug Administration	NA	NA	NA	61.0	75.4	71.4	73.0	74.2	77.8	82.1	79.4
Health Care Financing Admin	NA	NA	NA	31.8	45.7	38.6	29.1	30.2	33.1	33.5	29.0
Health Resources Admin	NA	NA	NA	4.9	5.1	5.0	NA	NA	NA	NA	NA
Hlth Resources & Svcs Admin	NA	NA	NA	NA	NA	NA	10.1	13.3	18.5	19.7	12.3
Health Services Admin	NA	NA	NA	28.7	26.7	20.3	NA	NA	NA	NA	NA
Human Development Services	NA	NA	NA	57.1	49.3	73.7	27.2	23.4	18.3	24.3	54.6
National Insts of Health	NA	NA	NA	2,953.1	3,181.8	3,333.2	3,433.1	3,789.2	4,257.4	4,827.7	5,005.1
Office of the Assistant Secretary for Health	NA	NA	NA	34.6	29.9	33.1	16.1	16.6	18.1	18.6	17.3
Office of the Secretary	NA	NA	NA	24.7	24.0	19.5	13.4	14.4	10.4	9.6	6.1
Social Security Admin	NA	NA	NA	18.3	21.4	18.0	15.5	10.8	13.5	10.4	5.6
Dept of Housing & Urban Dvlpmt	67.6	52.1	69.7	67.9	56.0	48.1	28.9	32.1	18.2	18.5	15.3
Dept of the Interior, total	333.2	314.7	359.0	405.8	411.3	427.1	381.1	382.5	410.9	391.7	385.2
Bonneville Power Admin ⁹	7.0	.0	.0	.0	.0	14.2	NA	NA	NA	NA	NA
Bureau of Land Management	.7	.9	1.2	1.3	1.7	1.9	5.3	3.9	3.8	4.4	3.4
Bureau of Mines	131.3	101.9	114.0	121.0	113.4	96.7	94.7	88.5	108.8	89.9	84.4
Bureau of Reclamation	8.3	9.9	11.2	12.2	14.1	14.3	10.1	10.0	10.4	13.2	10.2
Geological Survey ¹⁰	110.3	117.5	133.7	145.6	146.3	169.8	152.6	157.0	208.9	214.9	218.6
Heritage Conservation & Recreation Service	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Minerals Management Service	NA	NA	NA	NA	NA	NA	.0	1.5	1.5	1.4	1.1
National Park Service	9.3	7.8	7.7	8.9	8.2	10.4	11.2	13.7	14.0	15.0	17.3
Office of the Secretary	1.0	4.5	1.7	1.4	2.2	1.5	.5	7.4	.1	1.9	1.0
Office of Surface Mining Reclamation & Enforcement	NA	.0	2.2	5.0	7.5	5.8	1.5	1.5	.8	2.0	2.3
Office of Water Rsch & Tech ¹⁰	19.0	15.1	27.4	27.2	29.3	21.1	11.4	2.2	3.6	NA	NA
US Fish & Wildlife Svc	46.2	57.1	59.9	83.1	88.6	91.5	93.9	96.7	59.1	49.0	47.0
Department of Justice, total	33.9	27.7	60.9	43.0	41.5	26.5	26.7	31.4	24.5	36.0	36.5
Bureau of Prisons	.8	1.1	3.6	3.4	2.1	2.5	1.7	1.7	1.6	1.5	3.0
Drug Enforcement Admin	2.5	3.0	1.9	2.4	2.7	1.3	3.2	2.5	1.9	1.6	2.5
Federal Bureau of Investigation	1.2	1.4	1.8	3.1	1.4	.7	2.7	2.5	1.0	9.5	7.2
Immigration & Naturalization Service	.1	.3	.4	.2	.3	.1	.6	.6	.6	.4	.4
Office of Justice Programs	29.2	21.8	51.6	32.2	33.2	21.0	18.0	23.8	19.5	22.7	23.2
Office of Legal Policy	.0	.0	1.6	1.7	1.8	.8	.4	.3	.0	.3	.2

See explanatory information, if any, and SOURCE at end of table.

**Table C-94. Federal obligations for research and development, by agency:
fiscal years 1976-86**

[Dollars in millions]

Page 3 of 4

Agency and subdivision	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Department of Labor, total	28.5	29.6	97.8	137.0	138.1	62.2	25.4	19.9	16.3	13.3	10.4
Bureau of Labor Statistics	1.3	1.4	1.2	9	9	3	3	7	5	6	6
Employment Standards Admin	4.3	4.4	3.7	5.3	4.9	3.2	1.4	1.4	9	-	0
Employment & Training Admin	17.5	16.8	86.6	120.8	121.7	52.4	16.1	9.0	6.1	3.5	3.5
Labor-Management Relations & Cooperative Programs ¹¹	NA	NA	NA	NA	NA	NA	NA	NA	3	3	2
Labor Management Services Administration ¹¹	7	3.3	2.8	3.2	2.8	1.8	7	9	NA	NA	NA
Occupational Safety & Health Administration	2.9	3.4	1.3	5.1	6.3	3.0	4.9	5.3	5.1	4.5	3.6
Office of the Secretary	1.8	2	2.2	1.6	1.4	1.1	9	1.5	1.9	2.6	2.1
Pension Benefit Guaranty Corp	NA	NA	NA	NA	NA	5	1.1	1.1	3	2	1
Pension & Welfare Benefits Administration	NA	NA	NA	NA	NA	NA	NA	NA	1.2	1.6	3
Department of State, total ¹²	39.4	61.4	85.2	3.2	2.2	1.8	1.5	1.5	1.6	1.5	1.5
Agcy for Internat'l Dvlpm't ¹²	37.8	59.1	82.4	NA	NA	NA	NA	NA	NA	NA	NA
Departmental Funds	1.6	2.3	2.8	3.2	2.2	1.8	0	0	0	0	0
Dept of Transportation, total	294.5	354.6	408.3	370.1	361.2	415.5	310.1	347.7	448.3	428.9	385.5
Coast Guard	12.4	18.9	23.7	21.1	18.0	26.3	20.0	19.6	19.5	19.0	16.9
Federal Aviation Admin	98.1	103.4	110.5	110.5	103.1	120.0	94.3	126.2	266.2	286.3	260.6
Federal Highway Admin	28.9	55.5	51.7	52.9	51.1	51.2	40.3	50.4	46.4	49.0	45.5
Federal Railroad Admin	50.4	41.9	53.9	44.2	46.2	36.6	18.2	16.5	19.2	15.0	15.4
Federal Transit Admin	47.5	59.9	69.6	58.0	54.4	78.2	61.4	57.0	20.1	10.2	8.2
Maritime Administration ⁴	NA	NA	NA	NA	NA	14.2	11.1	15.0	9.9	13.9	9.4
National Highway Traffic Safety Administration	31.4	47.0	66.3	56.6	63.6	65.9	55.4	52.0	56.9	28.1	22.4
Office of the Secretary	25.8	28.0	31.7	11.7	10.8	10.1	3.3	4.9	4.9	4.8	5.1
Rsch & Special Programs Administration	NA	0	9	15.0	14.0	13.1	6.1	6.2	5.2	2.7	2.0
Dept of the Treasury, total	3.7	4.8	9.9	9.5	12.0	11.3	13.3	15.6	13.9	24.3	24.0
Bureau of Alcohol, Tobacco, & Firearms	0	1.1	2.0	2.5	1.6	3	NA	NA	NA	NA	NA
Bureau of Engraving & Printing	2.8	2.5	3.7	2.1	2.3	2.7	4.8	3.9	3.6	5.0	4.2
Internal Revenue Service	0	0	2.4	3.6	4.0	4.2	5.4	8.0	8.2	15.9	14.2
United States Customs Svc	1.0	1.2	1.8	1.3	3.8	3.5	3.1	3.3	1.8	2.2	4.8
United States Mint	0	0	0	0	0	0	0	0	0	6	3
United States Secret Service	NA	NA	NA	NA	4	6	0	3	2	6	4
Department of Veterans Affairs	97.7	107.0	114.0	127.0	133.4	144.4	137.3	161.4	190.3	226.6	186.2
Other agencies:											
ACTION	1	5	1.6	1.6	0	0	0	0	0	0	0
Advisory Commission on Intergovernmental Relations	1.0	1.5	1.7	1.7	2.2	2.2	2.0	2.1	2.1	2.4	2.1
Appalachian Regional Comm	7	7	5	9	8	4	4	2	5	2	2
Civil Service Commission	4.0	3.9	NA	NA	NA	NA	NA	NA	NA	NA	NA
Community Services Admin	10.2	24.0	24.3	20.7	30.3	18.3	NA	NA	NA	NA	NA
Consumer Product Safety Comm	5.6	6.7	3.8	3.9	3.5	5	2	5	1.3	2.4	2.0
Energy Rsch & Dvlpm't Admin ⁸	2,463.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Environmental Protection Agcy	259.1	295.5	384.6	410.1	345.0	325.7	335.1	240.7	261.2	320.4	317.3
Federal Communications Comm	1.5	2.0	2.4	2.9	3.4	1.8	1.2	1.3	9	1.2	9
Federal Emergency Management Agency, total ¹³	NA	NA	7.0	12.6	11.8	11.6	9.2	3.3	11.5	4.1	0
National Fire Prevention & Control Administration ⁵	NA	NA	7.0	0	0	0	0	0	0	0	0
Federal Energy Administration	3.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Federal Trade Commission	9	1.1	1.4	1.5	3.0	1.1	1.2	1.4	1.6	1.7	1.8
Foundation for Educational Assistance ⁷	NA	NA	NA	NA	NA	104.9	NA	NA	NA	NA	NA
General Services Admin ¹³	1.1	9	2.7	5	2	6	1.0	5	2.4	4	1.2

See explanatory information, if any, and SOURCE at end of table.

**Table C-94. Federal obligations for research and development, by agency:
fiscal years 1976-86**

[Dollars in millions]

Page 4 of 4

Agency and subdivision	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
International Development Cooperation Agcy, total ^{1,2}	NA	NA	NA	106.5	149.3	134.2	199.9	227.3	237.2	220.4	251.2
Agcy for Internat'l Dvlpmt ^{1,2}	NA	NA	NA	106.5	149.3	134.2	199.9	227.3	237.2	220.4	251.2
Interstate Commerce Comm	0.1	0.1	0.3	.2	.1	.0	.0	.0	.0	.0	.0
Library of Congress	3.0	3.8	4.9	5.9	6.9	4.9	5.7	7.4	7.5	7.1	6.6
National Aeronautics & Space Administration	3,446.8	3,170.8	3,333.3	3,578.4	3,234.1	3,593.2	3,077.9	2,661.6	2,821.9	3,327.2	3,419.8
National Archives & Records Administration ³	NA	NA	NA	NA	NA	NA	NA	NA	NA	5	1.0
National Science Foundation	609.3	697.0	748.8	807.9	881.8	961.6	975.3	1,062.0	1,202.8	1,345.6	1,353.3
Nuclear Regulatory Commission	88.4	112.3	133.9	148.8	182.7	219.7	220.3	207.3	190.7	150.0	123.8
Office of Personnel Management	NA	NA	4.5	6.0	6.8	8.4	0	0	0	0	0
Office of Telecommunications Policy	4.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Office of Thrift Supervision	8	1.7	1.0	.9	1.2	1.0	2.7	3.0	2.6	2.8	3.3
Small Business Administration	1	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0
Smithsonian Institution	25.7	29.7	34.9	36.9	41.0	44.9	52.4	56.0	63.6	71.1	63.3
Tennessee Valley Authority	18.7	26.5	31.5	38.4	80.1	68.9	85.0	63.0	68.1	79.5	77.5
United States Arms Control & Disarmament Agency	1.4	2.2	3.6	3.5	3.8	2.4	1.9	1.0	1.3	1.1	.9
US Information Agency ⁴	1	1	1	1	1	1.5	.1	-	1.4	1	2.0
US Internat'l Trade Comm	1.5	2.6	3.1	3.4	2.1	3.4	3.8	4.7	5.0	5.8	6.9

¹ Although the Agricultural Marketing Service was established in April 1972, fiscal year 1979 was the first year in which Congress appropriated funds to this agency.

² Data reported for the Economics, Statistics, & Cooperative Service include programs of the Economic Research Service, the Statistical Reporting Service, and the Farmer Cooperative Service for fiscal years 1977-79.

³ Data reported for the Economics & Statistics Service include programs of the Economic Research Service and the Statistical Reporting Service for fiscal year 1980.

⁴ In 1981 the Maritime Administration moved from the Department of Commerce to the Department of Transportation.

⁵ Functions for the National Fire Prevention & Control Administration transferred from the Department of Commerce to the Federal Emergency Management Agency as of Apr. 1, 1979.

⁶ Functions for the Defense Civil Preparedness Agency transferred from the Department of Defense to the Federal Emergency Management Agency on July 20, 1979.

⁷ The 1983 Budget of the United States Government proposed that the Department of Education be replaced by the Foundation for Educational Assistance.

⁸ In 1977 the Energy Research & Development Administration became part of the Department of Energy.

⁹ In fiscal year 1982 the Bonneville Power Administration became part of the Department of Energy.

¹⁰ As of 1985 the Office of Water Research & Technology has been combined with the Geological Survey.

¹¹ In 1984 the Labor Management Services Administration was replaced by Labor-Management Relations & Cooperative Programs.

¹² The Agency for International Development transferred from the Department of State to the International Development Cooperative Agency on Oct. 1, 1979.

¹³ As of 1985 the National Archives & Records Administration is separate from the General Services Administration.

¹⁴ Data reported for the United States Information Agency include funds for the former International Communication Agency for fiscal years 1977-81.

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: - = Amount less than 50 thousand dollars

NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development, Fiscal Years 1995, 1996, and 1997

**Table C-94a. Federal obligations for research and development, by agency:
fiscal years 1987-97**

[Dollars in millions]

Page 1 of 4

Agency and subdivision	1987	1988	1989	1990	1991	1992	1993	1994	1995	Preliminary	
										1996	1997
Total, all agencies	55,253.7	56,769.4	61,406.5	63,559.5	61,295.2	65,592.6	67,314.0	67,255.8	68,754.9	69,076.9	68,063.7
Departments:											
Dept of Agriculture, total	947.9	1,016.6	1,038.3	1,108.4	1,236.6	1,327.1	1,327.8	1,399.6	1,379.8	1,352.3	1,368.6
Agricultural Cooperative Svc	2.7	2.7	2.8	2.7	2.8	3.4	2.9	3.7	NA	NA	NA
Agricultural Marketing Svc ¹	1.5	1.6	1.5	2.7	4.2	4.7	4.7	4.8	4.8	4.9	4.9
Agricultural Research Svc ²	478.6	505.7	523.5	545.5	591.0	627.1	627.2	678.7	683.3	680.9	696.6
Animal & Plant Health Inspection Service	4.9	5.6	7.4	8.0	15.7	16.7	17.1	19.2	19.1	19.7	20.6
Cooperative State Rsch, Ed, & Extension Service ³	270.7	298.4	307.3	324.2	376.8	418.2	418.6	429.0	417.7	406.2	402.2
Economic Research Service	44.8	48.1	49.5	50.5	54.4	58.9	58.9	55.2	53.8	53.1	54.9
Foreign Agricultural Svc ⁴	0	0	0	0	0	0	0	8	5	1.4	1.4
Forest Service	126.7	135.5	131.4	158.6	174.7	180.7	182.7	193.1	193.5	178.0	179.8
Grain Inspection Packers & Stockyards Administration ⁵	1.2	1.0	1.1	6	7	1.5	1.8	1.8	1.5	2.8	2.8
Human Nutrition Information Service ²	6.8	8.2	8.4	9.0	9.9	10.7	8.4	7.0	NA	NA	NA
National Agricultural Statistics Service	3.4	3.6	2.9	2.8	3.2	3.6	3.9	3.9	4.0	3.9	3.9
Office of International Cooperation & Dvlpm ⁴	5.6	5.0	2.5	3.6	3.1	1.5	1.5	0	NA	NA	NA
Office of Transportation	1.1	1.1	NA	NA	NA	NA	NA	NA	NA	NA	NA
Rural Business-Cooperative Service ⁶	NA	NA	NA	NA	NA	NA	NA	2.4	1.6	1.4	1.4
Department of Commerce, total	402.2	388.9	397.9	438.2	489.6	651.2	656.3	826.1	1,136.0	1,172.6	1,095.8
Bureau of the Census	4.7	5.7	4.9	6.9	6.6	5.3	5.4	4.8	4.9	7.1	7.1
Economic Development Admin	5.0	4.2	1.0	1.2	1.4	5	0	6	5	5	1.5
National Institute of Standards & Technology	98.6	107.9	115.5	122.3	140.0	179.0	207.2	253.2	563.3	631.7	541.7
National Oceanic & Atmospheric Administration	286.1	263.0	268.6	300.1	338.0	462.4	439.5	562.6	560.9	528.8	540.8
National Telecommunications & Information Administration	7.8	8.1	7.8	7.7	3.6	4.0	4.2	4.8	6.4	4.5	4.7
Office of the Secretary	-	0	0	0	0	0	0	0	-	-	0
Department of Defense, total	35,231.5	35,248.9	37,576.9	37,268.1	32,134.8	36,129.5	35,849.1	34,566.1	34,362.0	34,284.3	32,964.4
Department of the Army	5,019.5	4,806.0	5,659.3	5,684.1	6,081.5	6,854.2	6,209.1	5,574.1	5,419.3	4,833.3	4,373.3
Department of the Navy	9,507.8	9,514.1	9,666.1	9,586.2	7,806.0	8,030.8	9,102.9	8,929.0	8,963.3	8,804.0	7,581.6
Department of the Air Force	15,347.7	14,867.3	15,237.4	14,831.4	10,937.5	13,427.1	12,635.3	12,527.4	11,797.9	12,096.2	13,359.8
Defense Agencies	5,219.7	5,832.9	6,858.9	6,945.2	7,072.5	7,571.7	7,647.0	7,292.5	7,928.9	8,299.9	7,376.6
Operational Test & Evaluation, Director	8.4	68.2	14.4	32.6	13.6	12.4	12.3	11.2	21.7	23.0	22.0
Test & Evaluation, Deputy Under Secretary of Defense	128.5	160.3	140.7	188.7	223.7	233.2	242.5	231.8	231.0	227.8	251.0
Department of Education	132.5	140.7	159.1	169.9	171.0	168.5	177.7	176.6	177.6	181.7	188.1
Department of Energy	4,757.2	5,036.4	5,192.6	5,630.6	5,983.1	6,172.2	6,262.1	6,048.0	6,145.0	5,675.7	5,895.2

See explanatory information, if any, and SOURCE at end of table

Table C-94a. Federal obligations for research and development, by agency:
fiscal years 1987-97

[Dollars in millions]

Page 2 of 4

Agency and subdivision	1987	1988	1989	1990	1991	1992	1993	1994	1995	Preliminary	
										1996	1997
Department of Health & Human Services, total	6,606.3	7,158.0	7,902.8	8,405.6	9,756.0	8,987.8	10,349.2	11,021.5	11,455.2	11,914.2	12,184.9
Administration on Aging ⁷	NA	NA	NA	NA	20.6	20.2	20.9	19.1	20.7	3.7	3.2
Administration for Children & Families ⁸	NA	NA	NA	NA	129.0	39.2	19.9	11.3	12.0	9.0	19.0
Agency for Health Care Policy & Research ⁹	NA	NA	NA	49.7	101.1	106.3	114.8	154.4	135.3	65.2	84.0
Alcohol, Drug Abuse, & Mental Health Administration ¹⁰	475.5	554.8	695.7	842.7	1,460.6	NA	NA	NA	NA	NA	NA
Centers for Disease Control & Prevention	66.2	88.7	117.8	95.6	113.4	146.9	162.5	206.8	317.4	323.2	361.2
Food & Drug Administration	85.0	91.0	99.0	99.0	125.0	135.7	154.5	169.4	170.5	170.5	170.5
Health Care Financing Admin	27.3	28.2	49.1	49.1	69.1	75.5	68.2	80.0	74.5	54.5	55.3
HltH Resources & Svcs Admin	9.3	10.0	10.5	11.9	11.0	10.1	9.6	16.4	13.2	13.0	11.7
Human Development Svcs ⁷	53.0	54.0	101.7	95.4	NA	NA	NA	NA	NA	NA	NA
National Insts of Health ¹⁰	5,850.9	6,290.9	6,778.3	7,136.5	7,695.5	8,409.2	9,765.1	10,329.4	10,681.8	11,265.6	11,470.5
Office of the Assistant Secretary for Health ⁹	21.2	21.0	27.2	6.9	10.0	6.7	1.2	8	3	5	6
Office of the Secretary	8.2	4.7	7.8	5.0	8.8	5.0	8.0	11.7	9.1	9.0	9.0
Social Security Admin ¹¹	9.8	14.7	15.8	13.9	11.9	33.0	24.5	22.2	20.4	NA	NA
Dept of Housing & Urban Dvlpmt	16.3	18.4	18.0	19.3	27.8	25.1	23.6	39.6	41.8	35.0	45.5
Dept of the Interior, total	403.8	416.8	469.0	508.5	592.9	609.2	619.1	694.1	561.6	565.1	573.5
Bureau of Land Management	3.7	3.7	3.0	2.8	8.8	6.3	8.9	0	0	0	0
Bureau of Mines	88.8	91.3	98.7	99.3	106.1	107.1	111.9	107.9	0	NA	NA
Bureau of Reclamation	10.7	4.4	4.2	5.8	8.7	13.2	10.3	7.4	8.0	6.0	7.6
Geological Survey ¹²	226.8	236.1	279.9	308.4	356.6	361.4	356.7	371.1	362.0	518.5	524.4
Minerals Management Service	1.0	1.2	2.2	1.9	2.7	3.8	5.8	20.6	20.0	20.8	20.6
Natl Biological Svc ¹³	NA	NA	NA	NA	NA	NA	0	162.8	151.8	NA	NA
National Park Service ¹³	18.5	19.4	19.4	20.1	27.5	31.1	38.1	24.2	19.7	19.8	20.8
Office of the Secretary	0	4	4	2	6	9	4	1	-	-	0
Office of Surface Mining Reclamation & Enforcement	1.0	1.0	7	7	1.0	3	5	0	0	0	0
US Fish & Wildlife Svc ¹³	53.3	59.2	60.6	69.4	81.0	85.1	86.5	0	0	0	0
Department of Justice, total	42.4	43.1	38.2	40.5	48.9	48.0	48.9	45.0	57.9	80.9	93.7
Bureau of Prisons ¹⁴	7.1	6.0	5.1	4.5	5.2	5.9	6.1	5.4	5.7	4.7	4.7
Drug Enforcement Admin	2.2	2.5	2.7	2.4	2.7	1.4	9	9	4	1.2	5
Federal Bureau of Investigation	8.0	12.7	7.7	8.2	10.8	10.9	11.3	7.0	10.9	36.8	34.8
Immigration & Naturalization Service	4	3	1	4	4	4	4	4	4	4	4
Office of Justice Programs	24.6	21.5	22.5	25.0	29.8	29.4	30.2	31.4	40.5	37.8	53.2
Office of Legal Policy	1	0	0	0	0	0	0	0	0	0	0
Department of Labor, total	21.6	35.6	35.4	73.0	44.0	51.7	55.0	59.7	53.7	46.5	42.9
Bureau of Labor Statistics	6.5	7.0	7.0	7.3	7.5	7.6	6.9	7.1	13.1	13.3	12.6
Employment Standards Admin	1.0	1	1	1	0	0	0	0	0	0	0
Employment & Training Admin	5.7	14.9	15.7	53.4	22.1	31.7	35.9	40.0	25.6	20.8	17.3
Labor Management Relations & Cooperative Programs	3	4	3	NA	NA	NA	NA	NA	NA	NA	NA
Occupational Safety & Health Administration	4.1	4.2	4.5	2.5	2.6	3.1	2.5	3.3	4.4	3.2	3.5
Office of the Secretary	2.7	6.1	6.1	7.1	8.7	5.9	5.8	5.3	6.3	6.4	6.5
Pension Benefit Guaranty Corp	3	3	3	5	5	9	1.3	1.3	8	6	7
Pension & Welfare Benefits Administration	1.0	2.7	1.4	2.1	2.5	2.6	2.6	2.7	3.6	2.3	2.3
Department of State ¹⁵	3.0	4.2	4.7	4.7	5.9	5.6	5.3	8.2	5.0	4.3	4.3

See explanatory information, if any, and SOURCE at end of table.

**Table C-94a. Federal obligations for research and development, by agency:
fiscal years 1987-97**

[Dollars in millions]

Page 3 of 4

Agency and subdivision	1987	1988	1989	1990	1991	1992	1993	1994	1995	Preliminary	
										1996	1997
Dept of Transportation, total	325.0	304.6	303.3	366.6	379.9	445.0	545.3	620.7	727.0	641.4	705.7
Coast Guard	17.0	21.1	17.9	20.2	25.5	20.1	32.9	22.3	19.7	20.0	19.8
Federal Aviation Admin	167.3	160.5	146.8	216.1	220.1	236.2	248.9	285.6	288.4	217.6	223.7
Federal Highway Admin	76.7	74.1	91.0	91.5	86.9	130.2	174.9	235.7	312.5	304.8	362.1
Federal Railroad Admin	11.2	10.0	9.0	10.2	15.9	22.7	25.2	19.5	26.5	30.3	24.1
Federal Transit Admin ¹⁶	12.6	2.3	1.4	1.6	1.7	1.7	24.3	19.9	28.7	16.0	14.6
Maritime Administration	5.8	5	0	9	1.7	1.8	1.7	1.7	2.5	0	2.0
National Highway Traffic Safety Administration	27.9	28.3	29.7	16.9	21.4	25.8	31.6	25.3	39.7	38.2	45.7
Office of the Secretary	4.5	5.7	5.5	6.8	4.3	4.1	4.5	5.4	3.9	2.9	2.8
Rsch & Special Programs Administration	2.1	2.1	2.0	2.4	2.4	2.5	1.3	5.3	5.0	11.5	10.9
Dept of the Treasury, total	26.9	26.1	25.6	25.6	30.8	24.6	16.6	19.0	61.4	63.6	64.4
Bureau of Engraving & Printing	4.5	2.0	1.7	2.1	3.5	2.0	3.2	1.7	1.8	2.2	2.0
Financial Crimes Enforcement Network	0	0	0	0	2.3	1.2	1.5	0	0	0	0
Internal Revenue Svc ^{17 18}	14.6	14.4	14.4	16.8	17.9	17.9	6.5	11.3	49.7	50.6	54.3
Off of Thrift Supervision ¹⁹	NA	NA	NA	0	3.0	8	7	5	6	5	6
United States Customs Svc	7.0	9.2	6.8	6.2	3.7	2.2	4.0	4.5	8.5	9.5	6.4
United States Mint	2	1	2.0	1	1	0	1	5	3	2	4
US Secret Service ²⁰	5	4	6	5	4	5	6	5	5	6	6
Department of Veterans Affairs	209.5	215.3	234.7	237.7	216.6	223.9	236.2	248.0	237.9	276.2	258.0
Other agencies:											
Advisory Commission on Intergovernmental Relations	1.9	1.8	1.1	1.5	1.7	1.7	2.1	1.4	1.4	1.4	0
Appalachian Regional Comm	1	2	8	4	7	1.9	9	9	9	9	9
Consumer Product Safety Comm	2.2	1.1	1.3	1.1	1.3	1.1	1.2	3	4	0	0
Environmental Protection Agcy	348.2	347.4	380.3	419.7	432.6	483.9	495.3	553.5	551.5	457.1	581.0
Federal Communications Comm	1.0	1.2	1.1	1.3	1.4	1.6	1.6	1.7	2.3	2.8	2.7
Federal Trade Commission	5	4	4	5	1.0	1.3	9	7	6	1.0	1.0
General Services Admin	1.6	2.3	5	7	0	0	0	0	0	0	0
International Development Cooperation Agcy, total	217.5	204.4	279.1	334.6	377.7	365.9	382.2	254.3	302.5	246.5	186.8
Agcy for Internat'l Dvlpm ¹⁵	217.5	204.4	279.1	334.6	377.7	365.9	382.2	254.3	302.5	246.5	186.8
Library of Congress	6.5	7.1	8.0	8.4	9.0	10.3	10.5	10.0	10.2	8.3	9.1
National Aeronautics & Space Administration	3,787.1	4,330.4	5,393.5	6,533.2	7,280.2	7,657.6	8,019.9	8,296.2	9,014.9	9,613.7	9,204.2
Nat'l Archives & Records Admin	1.1	7	3	4	7	7	3	3	1	1	1
National Science Foundation	1,470.5	1,532.8	1,670.4	1,689.5	1,785.2	1,868.4	1,881.9	2,040.4	2,149.3	2,141.7	2,278.9
Nuclear Regulatory Commission	122.5	108.5	114.8	108.8	108.8	119.0	119.8	90.7	88.2	59.2	59.0
Office of Thrift Supervision ¹⁹	3.4	3.4	4.1	4.1	NA	NA	NA	NA	NA	NA	NA
Smithsonian Institution	71.5	75.1	80.2	84.0	98.0	98.0	102.0	124.2	124.0	125.4	136.8
Social Security Admin ¹¹	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.3	27.7

See explanatory information, if any, and SOURCE at end of table

**Table C-94a. Federal obligations for research and development, by agency:
fiscal years 1987-97**

[Dollars in millions]

Page 4 of 4

Agency and subdivision	1987	1988	1989	1990	1991	1992	1993	1994	1995	Preliminary	
										1996	1997
Tennessee Valley Authority	77.9	87.3	62.6	64.8	68.3	97.3	108.6	97.9	93.1	103.4	77.0
United States Arms Control & Disarmament Agency ²¹	3.6	3.4	2.8	2	4	2.1	1.5	1.3	1.1	5	1.0
US Information Agency	3.5	4	1	5	1	0	1.1	6	3	2	1
US International Trade Comm	7.2	8.1	8.7	9.1	9.9	12.3	12.2	9.4	12.2	12.7	12.5

- ¹ Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.
- ² The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.
- ³ The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.
- ⁴ The Office of International Cooperation & Development became part of the Foreign Agricultural Service (FAS) in June 1994. Data reported for FAS include funds appropriated to International Cooperation & Development programs within FAS as of fiscal year 1994.
- ⁵ The Federal Grain Inspection Service was abolished on Oct. 20, 1994, and its functions were assumed by the Grain Inspection Packers & Stockyards Administration.
- ⁶ This agency's name changed from the Rural Business & Cooperative Development Service to the Rural Business Cooperative Service on Jan. 30, 1996.
- ⁷ In fiscal year 1991 Human Development Services was replaced by the Administration for Children & Families (ACF) and by the Administration on Aging (AoA). Beginning in fiscal year 1992, data shown for the ACF are separate from obligations for the AoA.
- ⁸ Obligations reported for the Administration for Children & Families may be incomplete for fiscal year 1992 due to unavailability of data.
- ⁹ In fiscal year 1991 the Agency for Health Care Policy & Research became separate from the Office of the Assistant Secretary for Health.
- ¹⁰ Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.
- ¹¹ As of Mar. 31, 1995, the Social Security Administration became an independent agency; it is no longer part of the Department of Health & Human Services.
- ¹² As of fiscal year 1996, data for the National Biological Service (NBS) are included with the Geological Survey's submission, since NBS's funding comes from the Geological Survey's congressional appropriation.
- ¹³ The National Biological Service's (NBS) name changed from the National Biological Survey on Jan. 5, 1995. As of fiscal year 1994, NBS performs all biological research activities formerly funded by the United States Fish & Wildlife Service and the National Park Service.
- ¹⁴ The Bureau of Prisons was formerly listed as the Federal Prison System.
- ¹⁵ Increases in outlays and obligations reported by the Department of State during the Vol. 44 survey cycle reflect reporting of monies received through interagency agreements with the Agency for International Development. The Department of State transfers these outlays and obligations to other R&D performers.
- ¹⁶ The name of this agency changed from the Urban Mass Transit Administration to the Federal Transit Administration on Dec. 18, 1991.
- ¹⁷ Due to the reorganization of the Internal Revenue Service and subsequent unavailability of data, fiscal year 1992 figures are taken from estimates made in the Vol. 41 submission.
- ¹⁸ Large changes in obligations reported by the Internal Revenue Service for Vol. 44 are due to shifts in research funding.
- ¹⁹ In 1989 the Federal Home Loan Bank Board was replaced by the Office of Thrift Supervision. In 1990 the Office of Thrift Supervision became part of the Department of the Treasury.
- ²⁰ The United States Secret Service was formerly listed as the Office of Protective Research.
- ²¹ Fiscal year 1994 figures for the United States Arms Control & Disarmament Agency are estimates based on the agency's Vol. 43 submission.

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: - = Amount less than 50 thousand dollars
NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

**Table C-95. Federal obligations for R&D plant, by agency:
fiscal years 1976-86**

[Dollars in millions]

Page 1 of 2

Agency and subdivision	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Total, all agencies	836.7	1,367.2	1,295.7	1,475.5	1,555.7	1,485.7	1,389.8	1,297.5	1,787.3	1,820.8	1,538.8
Departments											
Dept of Agriculture, total	16.1	12.9	24.7	22.6	56.9	20.8	21.5	33.9	39.2	40.6	79.4
Agricultural Research Svc	NA	NA	NA	NA	NA	17.6	21.1	23.4	28.8	29.0	69.2
Cooperative State Rsch, Ed, & Extension Service	NA	NA	NA	NA	NA	0	0	10.0	10.0	10.0	9.5
Forest Service	2.9	1.8	2.7	3.5	3.6	3.2	4	5	4	1.6	6
Science & Ed Admin, total	13.2	11.1	22.0	19.1	53.2	NA	NA	NA	NA	NA	NA
Agricultural Research Svc	13.2	11.1	22.0	19.1	53.2	NA	NA	NA	NA	NA	NA
Department of Commerce, total	6.6	7.1	4.1	2.4	4.6	1.3	1.0	7	9.4	4.2	9.3
Maritime Administration ¹	2.2	4.9	1.0	9	5	NA	NA	NA	NA	NA	NA
National Institute of Standards & Technology	5	7	8	1.5	3	5	1.0	7	9.4	4.2	7.7
National Oceanic & Atmospheric Administration	4.0	1.5	2.3	0	3.9	8	0	0	0	0	1.5
Department of Defense, total	143.4	445.6	232.6	270.2	208.2	277.7	290.5	312.5	529.2	530.9	286.1
Department of the Army	12.3	16.3	7.6	3.8	13.8	12.8	24.7	26.3	56.2	52.9	53.9
Department of the Navy	45.8	61.2	48.3	68.1	83.2	97.9	155.9	141.7	173.4	182.1	97.6
Department of the Air Force	73.0	350.0	160.1	167.5	108.0	159.6	84.7	138.7	285.4	291.3	130.1
Defense Agencies	12.3	18.1	16.6	30.8	3.2	7.4	25.2	5.8	14.2	4.6	4.5
Department of Education ²	NA	NA	NA	0	0	0	0	0	0	1.1	6.6
Department of Energy ^{3, 4}	NA	561.0	690.7	844.4	1,024.1	978.2	914.0	757.7	852.4	868.4	742.3
Department of Health, Education, & Welfare, total	33.1	132.6	74.3	NA	NA	NA	NA	NA	NA	NA	NA
Food & Drug Administration	9	8	9	NA	NA	NA	NA	NA	NA	NA	NA
National Insts of Health	32.2	131.8	73.4	NA	NA	NA	NA	NA	NA	NA	NA
Department of Health & Human Services, total	NA	NA	NA	53.5	30.6	23.7	24.7	47.9	31.1	42.1	37.9
Alcohol, Drug Abuse, & Mental Health Administration	NA	NA	NA	1	0	2	3.3	1.8	3	4	5
Food & Drug Administration	NA	NA	NA	5.8	1.2	1.2	2.0	28.5	3.0	13.0	8.0
National Insts of Health	NA	NA	NA	47.6	29.4	22.3	19.4	17.5	27.8	28.8	29.4
Dept of the Interior, total	5.8	5.0	15.0	5.0	7.5	3.5	1.3	2.4	5.2	4.2	4.3
Bonneville Power Admin. ⁶	1	0	0	0	0	3	NA	NA	NA	NA	NA
Bureau of Mines	0	3.4	7.1	3	1.0	6	1	1	0	0	0
Geological Survey ⁵	0	0	0	0	0	0	0	1.4	1.0	8	8
National Park Service	-	-	0	0	0	0	0	0	0	0	0
Office of Surface Mining Reclamation & Enforcement	NA	0	0	0	3	0	0	0	0	0	0
Office of Water Rsch & Tech ⁵	0	9	6	7	7	8	9	0	0	NA	NA
US Fish & Wildlife Svc	5.8	6	7.3	4.0	5.5	1.8	3	9	4.2	3.4	3.5

See explanatory information, if any, and SOURCE at end of table.

**Table C-95. Federal obligations for R&D plant, by agency:
fiscal years 1976-86**

[Dollars in millions]

Page 2 of 2

Agency and subdivision	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Department of State, total ⁶	5.1	16.2	0.2	0	0	0	0	0	0	0	0
Agcy for Internat'l Dvlpmnt ⁶	5.1	16.2	.2	NA	NA	NA	NA	NA	NA	NA	NA
Dept of Transportation, total	14.2	22.5	14.1	22.6	23.3	18.9	11.9	21.9	16.9	9.0	12.1
Coast Guard	4	6	7	0	0	0	0	0	0	0	0
Federal Aviation Admin	2.0	3.0	1.0	9.9	5.7	8.9	5.1	21.4	16.4	8.5	10.9
Federal Highway Admin	4	4	4	6	7.2	-	0	0	0	0	7
Federal Railroad Admin	10.1	16.6	11.8	11.9	10.2	9.5	6.3	0	0	0	0
Federal Transit Admin	1.3	1.7	0	0	0	0	0	0	0	0	0
National Highway Traffic Safety Administration	0	2	2	2	2	5	5	5	5	5	5
Dept of the Treasury, total	.1	1	-	-	-	1	1	1	1	1	1
United States Customs Svc	1	1	-	-	-	1	1	1	1	1	1
United States Secret Service	NA	NA	NA	NA	0	0	0	0	0	0	1
Department of Veterans Affairs	11.8	5.9	4.1	5.1	4.4	14.8	2.8	10.5	6.1	3.3	4.8
Other agencies:											
Consumer Product Safety Comm	2	0	3	2.7	2.7	0	0	0	0	0	0
Energy Rsch & Dvlpmnt Admin ³	438.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Environmental Protection Agcy	6.3	2.1	4.6	2.4	0	0	0	0	0	0	0
General Services Admin ⁷	0	0	0	0	0	0	0	0	0	0	18.8
International Development Cooperation Agcy, total ⁶	NA	NA	NA	6.4	6.3	8.0	6.0	4.8	7.8	6.9	7.5
Agcy for Internat'l Dvlpmnt ⁶	NA	NA	NA	6.4	6.3	8.0	6.0	4.8	7.8	6.9	7.5
National Aeronautics & Space Administration	82.1	118.1	162.3	147.5	159.1	115.8	113.7	100.8	244.2	234.3	275.0
National Science Foundation	52.6	27.1	39.7	30.2	18.7	14.6	1.5	3.2	45.2	73.6	53.2
Nuclear Regulatory Commission	9.6	7.1	6.9	8.6	7.7	7.7	0	0	0	0	0
Smithsonian Institution	5	2	2	1.0	9	4	5	1.0	2	1.6	7
Tennessee Valley Authority	10.2	3.7	21.9	50.8	6	4	3	3	2	5	8

¹ In 1981 the Maritime Administration moved from the Department of Commerce to the Department of Transportation.

² The 1983 Budget of the United States Government proposed that the Department of Education be replaced by the Foundation for Educational Assistance.

³ In 1977 the Energy Research & Development Administration became part of the Department of Energy.

⁴ In fiscal year 1982 the Bonneville Power Administration became part of the Department of Energy.

⁵ As of 1985 the Office of Water Research & Technology has been combined with the Geological Survey.

⁶ The Agency for International Development transferred from the Department of State to the International Development Cooperative Agency on Oct. 1, 1979.

⁷ As of 1985 the National Archives & Records Administration is separate from the General Services Administration.

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: - = Amount less than 50 thousand dollars
NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

**Table C-95a. Federal obligations for R&D plant, by agency:
fiscal years 1987-97**

[Dollars in millions]

Page 1 of 2

Agency and subdivision	1987	1988	1989	1990	1991	1992	1993	1994	1995	Preliminary	
										1996	1997
Total, all agencies	1 846.0	2 057.1	2 165.1	2 271.7	2 852.8	2 984.6	3 100.7	2 171.2	2 256.9	1 970.8	2 084.9
Departments											
Dept of Agriculture, total	111.8	135.2	89.2	102.2	144.6	164.7	142.4	125.7	143.4	149.5	125.3
Agricultural Research Svc ¹	43.9	55.5	55.2	44.4	64.7	98.1	78.3	78.3	67.7	78.5	123.3
Animal & Plant Health											
Inspection Service	0	5	3	6.1	0	0	0	0	0	1.5	0
Cooperative State Rsch, Ed, & Extension Service ²	67.6	76.2	32.2	46.9	61.5	63.0	60.5	42.6	71.3	67.0	0
Forest Service	3	2.9	1.6	4.9	18.4	3.6	3.6	4.9	4.3	2.5	2.0
Department of Commerce, total	5.2	11.2	9.1	15.4	15.7	21.0	25.4	31.2	77.7	79.7	105.5
National Institute of Standards & Technology	2.0	10.7	8.6	8.8	8.5	11.2	12.6	30.9	77.2	79.4	105.2
National Oceanic & Atmospheric Administration	3.2	5	5	6.6	7.3	9.9	12.8	3	5	3	3
Department of Defense, total	477.2	435.8	499.3	487.3	425.7	396.5	371.5	221.5	65.2	84.5	40.0
Department of the Army	65.8	92.8	45.1	53.1	91.0	22.0	18.1	2.1	5.5	5.1	4.4
Department of the Navy	69.0	74.9	89.6	60.4	54.0	96.0	45.5	76.1	11.3	8.3	12.0
Department of the Air Force	270.3	143.7	250.2	322.2	152.3	179.7	231.6	99.3	37.8	27.3	20.0
Defense Agencies	72.1	124.4	114.4	51.6	128.4	98.8	76.3	44.0	10.7	43.8	3.7
Department of Education	21.0	5.2	1.9	8.9	4.2	2.4	2.2	1.8	1.8	0	0
Department of Energy	772.2	915.0	873.0	916.0	1 220.1	1 320.8	1 461.5	911.8	745.1	755.8	825.9
Department of Health & Human Services, total	36.7	19.5	78.6	107.8	86.3	96.7	149.3	120.2	255.7	303.8	429.4
Alcohol, Drug Abuse, & Mental Health Administration ³	6	0	0	0	0	NA	NA	NA	NA	NA	NA
Food & Drug Administration	8	5	23.0	23.0	18.4	14.3	19.7	8.4	5.3	12.2	8.4
Hlth Resources & Svcs Admin	0	0	0	0	0	3	1.4	1.4	1.6	1.0	1.0
National Insts of Health ³	35.3	19.0	55.6	84.8	67.8	82.1	128.2	110.5	248.8	290.7	420.0
Social Security Admin ⁴	0	0	0	0	0	0	0	0	0	NA	NA
Dept of the Interior, total	11.8	9.4	10.8	14.0	22.2	18.4	23.1	9.0	6.7	2.4	7.2
Bureau of Mines	0	0	2.6	3.0	2.1	0	0	0	0	NA	NA
Geological Survey ⁵	8	8	1.3	1.3	3.3	4.3	3.8	6.4	5.4	1.4	6.2
Minerals Management Service	0	0	0	2	3	1.0	1.1	1.2	1.0	1.0	1.0
Nat'l Biological Svc ^{6 5}	NA	NA	NA	NA	NA	NA	0	1.4	3	NA	NA
US Fish & Wildlife Svc ⁶	11.0	8.6	6.9	9.5	16.6	13.1	18.3	0	0	0	0
Department of Justice, total	11.1	0	0	0	0	0	0	0	0	0	0
Federal Bureau of Investigation	11.1	0	0	0	0	0	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

**Table C-95a. Federal obligations for R&D plant, by agency:
fiscal years 1987-97**

[Dollars in millions]

Page 2 of 2

Agency and subdivision	1987	1988	1989	1990	1991	1992	1993	1994	1995	Preliminary	
										1996	1997
Dept of Transportation, total	11.2	13.9	15.5	21.8	18.4	25.3	32.3	40.9	28.8	29.1	22.5
Coast Guard	0	3	0	4	4	4	5	5	5	5	5
Federal Aviation Admin	10.4	13.2	15.5	21.4	16.3	24.0	22.4	33.0	21.7	20.6	17.2
Federal Highway Admin	3	0	0	0	0	8	9	6.3	3.0	3.8	1.3
Federal Railroad Admin	0	4	0	0	1.7	1	1.6	1.1	3.5	4.2	3.4
Federal Transit Admin ⁷	0	0	0	0	0	0	7.0	0	0	0	0
National Highway Traffic Safety Administration	5	0	0	0	0	0	0	0	0	0	0
Dept of the Treasury, total	1	1	1	1	1	1	2	2	2	2	2
United States Customs Svc	1	1	1	1	1	1	1	1	1	1	1
US Secret Service ⁸	-	-	-	-	-	-	-	-	-	-	-
Department of Veterans Affairs	5.9	19.5	11.0	3.3	3.4	5.7	3.4	11.7	7.2	3.6	4.3
Other agencies:											
Environmental Protection Agency	0	0	0	0	0	0	2.5	4.8	4.8	4.8	4.8
General Services Admin	0	0	0	18.8	22.6	6.5	1.0	3	1	2	0
International Development Cooperation Agency, total	6.8	6.1	0	0	0	0	0	0	0	0	0
Agency for International Development ⁹	6.8	6.1	0	0	0	0	0	0	0	0	0
National Aeronautics & Space Administration	309.4	428.2	519.5	527.0	723.6	817.8	749.4	515.3	624.8	332.5	314.8
National Science Foundation	61.3	56.9	53.6	39.3	159.6	101.6	130.4	171.9	289.6	218.7	200.3
Smithsonian Institution	2.9	7	3.4	4.8	1.5	3.8	5.0	5.0	5.0	5.0	5.0
Tennessee Valley Authority	3	4	2	4.9	4.8	3.2	1.0	0	1.0	1.0	0
United States Arms Control & Disarmament Agency ¹⁰	1.0	0	0	0	0	0	0	0	0	0	0

¹ The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.

² The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research Education, and Extension Service, due to a reorganization within the Department of Agriculture.

³ Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.

⁴ As of Mar. 31, 1995, the Social Security Administration became an independent agency, it is no longer part of the Department of Health & Human Services.

⁵ As of fiscal year 1996, data for the National Biological Service (NBS) are included with the Geological Survey's submission, since NBS's funding comes from the Geological Survey's congressional appropriation.

⁶ The National Biological Service's (NBS) name changed from the National Biological Survey on Jan. 5, 1995. As of fiscal year 1994, NBS performs all biological research activities formerly funded by the United States Fish & Wildlife Service and the National Park Service.

⁷ The name of this agency changed from the Urban Mass Transit Administration to the Federal Transit Administration on Dec. 18, 1991.

⁸ The United States Secret Service was formerly listed as the Office of Protective Research.

⁹ Increases in outlays and obligations reported by the Department of State during the Vol. 44 survey cycle reflect reporting of monies received through interagency agreements with the Agency for International Development. The Department of State transfers these outlays and obligations to other R&D performers.

¹⁰ Fiscal year 1994 figures for the United States Arms Control & Disarmament Agency are estimates based on the agency's Vol. 43 submission.

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: - = Amount less than 50 thousand dollars

NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

BEST COPY AVAILABLE

**Table C-96. Federal obligations for research, by selected agency:
fiscal years 1976-86**

[Dollars in millions]

Page 1 of 4

Selected agency	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Total, all agencies	7,619.3	8,514.1	9,606.8	10,535.0	11,597.4	12,212.8	13,022.2	14,253.5	14,978.8	16,133.4	16,502.2
Departments:											
Dept of Agriculture, total	442.2	524.0	594.5	631.9	657.4	741.0	766.5	817.6	834.9	910.9	896.4
Agricultural Cooperative Svc	NA	NA	NA	NA	1.6	1.7	1.7	2.1	2.2	2.9	2.6
Agricultural Marketing Svc ¹	0	0	0	4	1.0	9	1.0	1.1	1.2	1.3	1.3
Agricultural Research Svc	NA	NA	NA	NA	NA	367.9	379.1	417.9	424.3	442.0	436.0
Animal & Plant Health Inspection Service	NA	0	0	0	0	0	0	0	0	0	4.2
Cooperative State Rsch, Ed, & Extension Service	NA	NA	NA	NA	NA	199.4	219.0	232.3	235.7	284.3	269.0
Economic Research Service	NA	NA	NA	NA	NA	39.3	39.3	38.8	43.7	46.4	44.6
Economics, Statistics, & Cooperative Svc, total ²	26.7	29.7	32.7	35.5	NA	NA	NA	NA	NA	NA	NA
Economic Research Service	24.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Farmer Cooperative Service	1.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Statistical Reporting Svc	1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Economics & Statistics Svc ³	NA	NA	NA	NA	31.1	NA	NA	NA	NA	NA	NA
Forest Service	74.5	86.1	100.7	102.5	106.1	119.9	107.7	103.9	105.1	109.8	109.7
Grain Inspection Packers & Stockyards Administration	0	0	0	0	0	0	0	0	0	8	6
Human Nutrition Information Service	NA	NA	NA	NA	NA	0	8.5	8.2	6.0	6.7	12.8
National Agricultural Statistics Service	0	NA	NA	NA	NA	7.5	7.0	7.6	8.2	8.4	8.0
Office of International Cooperation & Development	NA	NA	NA	0	4.9	3.6	2.4	4.8	7.5	7.3	6.6
Office of Transportation	NA	NA	NA	0	0	8	8	8	9	1.1	9
Science & Ed Admin, total	341.0	408.2	461.1	493.5	512.8	NA	NA	NA	NA	NA	NA
Agricultural Research Svc	227.6	281.0	303.7	320.9	328.6	NA	NA	NA	NA	NA	NA
Cooperative State Rsch Svc	113.4	127.3	157.4	172.6	184.2	NA	NA	NA	NA	NA	NA
Nat'l Agricultural Library	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Department of Commerce, total	155.7	176.1	192.8	219.5	254.4	249.4	276.1	284.8	296.7	324.2	339.5
Bureau of the Census	2.1	2.0	2.3	1.8	1.9	3.0	1.9	2.2	2.4	2.5	2.6
Economic Development Admin	2.1	2.5	5.9	8.5	2.5	1.8	1.6	5.3	5.1	2.0	2.3
Maritime Administration ⁴	5.0	3.7	7.0	12.2	12.1	NA	NA	NA	NA	NA	NA
Minority Business Dvlpmnt Agcy	4	7	0	0	0	0	0	0	0	0	0
National Fire Prevention & Control Administration ⁵	3.2	4.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
National Institute of Standards & Technology	37.5	45.0	48.5	51.8	58.9	66.2	73.9	81.5	83.7	86.5	89.1
National Oceanic & Atmospheric Administration	104.9	115.8	127.9	142.7	168.8	168.5	188.5	188.9	197.7	224.4	237.5
National Telecommunications & Information Administration	NA	2.0	1.1	2.4	9.6	9.9	10.1	6.9	7.7	7.9	7.6
Office of the Secretary	0	0	0	1	5	0	0	0	0	9	3
Office of Telecommunications	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Patent & Trademark Office	2	0	0	0	0	0	0	0	0	0	0
Department of Defense, total	1,527.5	1,715.8	1,824.1	2,014.1	2,261.8	2,600.9	2,952.8	3,222.6	3,048.5	3,168.3	3,227.3
Department of the Army	362.4	398.0	409.8	448.6	479.3	536.5	639.2	693.6	708.8	823.4	827.3
Department of the Navy	438.0	497.4	526.3	567.3	611.1	698.0	778.7	827.0	765.4	791.3	784.3
Department of the Air Force	382.3	425.8	448.7	492.3	537.3	617.3	633.9	688.4	740.1	736.7	759.0
Defense Agencies	344.1	393.4	431.7	505.9	634.1	749.1	901.0	1,013.6	834.3	816.9	856.7
Defense Civil Preparedness Agency ⁶	7	1.3	7.5	NA	NA	NA	NA	NA	NA	NA	NA

See explanatory information, if any, and SOURCE at end of table.

206

**Table C-96. Federal obligations for research, by selected agency:
fiscal years 1976-86**

[Dollars in millions]

Page 2 of 4

Selected agency	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Department of Education ⁷	NA	NA	NA	93.4	87.6	.0	70.5	76.1	80.9	91.9	95.8
Department of Energy ^{8,9}	NA	891.3	1,102.2	1,131.8	1,277.3	1,413.6	1,696.1	1,961.1	2,024.9	2,141.0	2,040.3
Department of Health, Education, & Welfare, total	2,150.7	2,414.3	2,740.7	NA	NA	NA	NA	NA	NA	NA	NA
Alcohol, Drug Abuse, & Mental Health Administration	136.6	152.0	178.8	NA	NA	NA	NA	NA	NA	NA	NA
Center for Disease Control	49.6	55.3	60.1	NA	NA	NA	NA	NA	NA	NA	NA
Food & Drug Administration	37.1	42.9	64.1	NA	NA	NA	NA	NA	NA	NA	NA
Health Care Financing Admin	NA	30.0	19.4	NA	NA	NA	NA	NA	NA	NA	NA
Health Resources Admin	31.0	7.4	5.0	NA	NA	NA	NA	NA	NA	NA	NA
Health Services Admin	9.5	9.5	10.6	NA	NA	NA	NA	NA	NA	NA	NA
National Inst of Education	10.8	27.1	34.6	NA	NA	NA	NA	NA	NA	NA	NA
National Insts of Health	1,767.7	1,968.7	2,232.6	NA	NA	NA	NA	NA	NA	NA	NA
Office of Assistant Secretary for Education	1.0	1.0	1.3	NA	NA	NA	NA	NA	NA	NA	NA
Office of Assistant Secretary for Health	.0	28.6	32.6	NA	NA	NA	NA	NA	NA	NA	NA
Office of Education	21.4	11.9	13.3	NA	NA	NA	NA	NA	NA	NA	NA
Office of Human Dvlpmnt Svcs	34.6	48.7	45.2	NA	NA	NA	NA	NA	NA	NA	NA
Office of the Secretary	23.7	20.0	30.2	NA	NA	NA	NA	NA	NA	NA	NA
Social & Rehabilitation Svc	18.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Social Security Admin	9.1	11.2	12.9	NA	NA	NA	NA	NA	NA	NA	NA
Department of Health & Human Services, total	NA	NA	NA	3,015.7	3,332.8	3,492.2	3,605.6	4,020.8	4,466.0	5,028.3	5,189.6
Alcohol, Drug Abuse, & Mental Health Administration	NA	NA	NA	213.5	233.5	237.7	246.1	300.4	336.0	376.4	394.9
Centers for Disease Control & Prevention	NA	NA	NA	76.3	87.3	74.8	75.0	78.2	46.3	47.6	52.2
Food & Drug Administration	NA	NA	NA	61.0	75.4	71.4	73.0	74.2	77.8	82.1	79.4
Health Care Financing Admin	NA	NA	NA	31.8	45.7	38.6	29.1	30.2	33.1	33.5	29.0
Health Resources Admin	NA	NA	NA	4.9	5.1	5.0	NA	NA	NA	NA	NA
Hlth Resources & Svcs Admin	NA	NA	NA	NA	NA	NA	6.7	11.0	16.2	18.2	12.3
Health Services Admin	NA	NA	NA	10.2	8.0	10.2	NA	NA	NA	NA	NA
Human Development Services	NA	NA	NA	14.9	19.1	39.9	8.7	6.9	4.5	5.8	6.8
National Insts of Health	NA	NA	NA	2,530.1	2,787.5	2,948.3	3,124.5	3,478.2	3,910.4	4,428.1	4,587.6
Office of the Assistant Secretary for Health	NA	NA	NA	29.9	25.7	28.8	13.9	16.6	18.1	16.9	15.8
Office of the Secretary	NA	NA	NA	24.7	24.0	19.5	13.1	14.4	10.0	9.4	6.1
Social Security Admin	NA	NA	NA	18.3	21.4	18.0	15.5	10.8	13.5	10.4	5.6
Dept of Housing & Urban Dvlpmnt	36.9	32.7	30.5	23.8	19.6	16.7	10.3	11.3	6.3	6.5	5.3
Dept of the Interior, total	259.5	255.9	283.5	339.5	354.4	369.8	351.5	357.7	380.2	369.3	367.9
Bonneville Power Admin ⁹	5	.0	.0	.0	.0	6.5	NA	NA	NA	NA	NA
Bureau of Land Management	7	8	1.0	1.1	1.3	1.5	2.4	2.0	1.8	2.8	2.1
Bureau of Mines	73.3	52.3	57.0	79.1	82.8	68.0	81.1	79.4	97.2	86.5	81.6
Bureau of Reclamation	7.9	9.3	10.6	11.4	12.9	13.4	9.0	8.8	9.0	11.2	9.7
Geological Survey ¹⁰	110.3	117.5	133.7	145.1	145.8	169.3	152.1	154.7	204.0	210.5	211.2
Heritage Conservation & Recreation Service	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Minerals Management Service	NA	NA	NA	NA	NA	NA	0	1.5	1.5	1.4	1.1
National Park Service	9.3	7.5	7.7	8.9	8.2	10.4	11.2	13.7	14.0	15.0	17.3
Office of the Secretary	1.0	4.5	1.7	1.4	2.2	1.5	5	7.4	1	1.9	1.0
Office of Surface Mining Reclamation & Enforcement	NA	.0	2.2	5.0	7.5	5.8	1.5	1.5	.8	2.0	2.3
Office of Water Rsch & Tech ¹⁰	14.0	12.3	15.4	17.8	18.4	15.8	10.1	1.2	3.6	NA	NA
US Fish & Wildlife Svc	42.5	51.7	54.2	69.6	75.2	77.8	83.6	87.5	48.3	37.9	41.7
Department of Justice, total	18.3	17.6	45.7	28.8	28.8	19.5	16.3	20.7	17.9	19.3	22.3
Bureau of Prisons	.0	.1	.7	.5	.9	1.7	.9	1.3	1.2	1.1	2.7
Drug Enforcement Admin	.5	.9	.5	.7	.8	.4	1.3	.9	.7	.5	.8
Immigration & Naturalization Service	1	.1	.2	.1	.2	.1	.3	.3	.3	.2	.2
Office of Justice Programs	17.7	16.4	43.3	25.9	25.6	16.7	13.4	18.0	15.7	17.2	18.5
Office of Legal Policy	.0	.0	1.1	1.6	1.3	.7	.4	.2	.0	.3	.2

See explanatory information, if any, and SOURCE at end of table.

**Table C-96. Federal obligations for research, by selected agency:
fiscal years 1976-86**

[Dollars in millions]

Page 3 of 4

Selected agency	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Department of Labor, total	18.0	18.7	25.7	42.1	36.4	58.2	17.2	17.9	16.3	12.4	9.5
Bureau of Labor Statistics	8	9	8	9	9	3	3	7	5	6	6
Employment Standards Admin	4.3	4.4	3.7	5.3	4.9	3.2	1.4	1.4	9		0
Employment & Training Admin	7.5	6.4	14.9	25.9	20.1	48.8	8.7	7.9	6.1	3.5	3.5
Labor-Management Relations & Cooperative Programs ¹¹	NA	NA	NA	NA	NA	NA	NA	NA	3	3	2
Labor-Management Services Administration ¹¹	7	3.3	2.8	3.2	2.8	1.8	7	9	NA	NA	NA
Occupational Safety & Health Administration	2.9	3.4	1.3	5.1	6.3	3.0	4.9	5.3	5.1	4.5	3.6
Office of the Secretary	1.8	2	2.2	1.6	1.4	1.1	9	1.5	1.9	1.7	1.3
Pension Benefit Guaranty Corp	NA	NA	NA	NA	NA	1	3	3	3	2	1
Pension & Welfare Benefits Administration	NA	NA	NA	NA	NA	NA	NA	NA	1.2	1.6	3
Department of State, total ²	25.1	38.3	49.1	2.7	2.0	1.6	1.5	1.5	1.6	1.5	1.5
Agcy for Internat'l Dvlpmt ²	24.0	36.2	46.6	NA	NA	NA	NA	NA	NA	NA	NA
Departmental Funds	1.1	2.1	2.5	2.7	2.0	-1.6	0	0	0	0	0
Dept of Transportation, total	31.1	51.8	66.5	67.0	82.4	88.6	66.7	72.6	77.7	71.2	68.2
Coast Guard	2.6	2.5	2.3	10.9	8.1	15.0	1.7	1.2	7.2	5.4	3.5
Federal Aviation Admin	3.6	4.7	6.8	7.5	8.2	8.2	7.0	12.5	15.0	17.3	14.0
Federal Highway Admin	1.9	5.3	4.9	4.4	4.6	5.1	5.3	7.3	6.1	6.3	14.7
Federal Railroad Admin	8.6	6.6	9.2	7.5	7.9	6.2	3.1	2.8	12.3	11.4	12.5
Federal Transit Admin	6	1.0	1.1	1.1	8.9	9.3	19.4	18.3	1.0	5	0
Maritime Administration ⁴	NA	NA	NA	NA	NA	9.5	6.6	6.2	8.6	8.0	6.8
National Highway Traffic Safety Administration	9.3	27.5	38.0	30.0	38.6	29.4	21.3	21.4	24.7	20.9	16.1
Office of the Secretary	3.9	4.2	4.1	6	6	7	3	3	9	9	4
Rsch & Special Programs Administration	NA	0	1	5.0	5.5	5.2	2.1	2.6	1.8	5	3
Dept of the Treasury, total	1.5	2.1	4.1	4.7	5.7	5.2	8.1	10.2	10.6	18.3	17.7
Bureau of Alcohol, Tobacco, & Firearms	0	4	4	7	3	1	NA	NA	NA	NA	NA
Bureau of Engraving & Printing	1.5	1.7	1.9	6	1.3	9	2.8	2.0	2.2	3.4	3.1
Internal Revenue Service	0	0	1.8	3.5	3.9	4.2	5.3	7.9	8.1	14.7	14.0
United States Customs Svc	0	0	0	0	1	1	0	0	1	1	2
United States Secret Service	NA	NA	NA	NA	0	0	0	3	1	2	4
Department of Veterans Affairs	85.1	92.3	99.4	111.4	117.9	127.7	123.0	146.1	171.9	209.1	169.9
Other agencies:											
ACTION	1	1	2	0	0	0	0	0	0	0	0
Advisory Commission on Intergovernmental Relations	1.0	1.5	1.7	1.7	2.2	2.2	2.0	2.1	2.1	2.4	2.1
Appalachian Regional Comm	7	6	3	7	6	3	3	2	4	2	2
Civil Service Commission	1.1	1.1	NA	NA	NA	NA	NA	NA	NA	NA	NA
Community Services Admin	0	1.0	2.0	1.8	1.3	1.9	NA	NA	NA	NA	NA
Consumer Product Safety Comm	3.5	3.7	9	1.8	1.6	2	1	3	1.1	1.4	1.1
Energy Rsch & Dvlpmt Admin ⁸	746.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Environmental Protection Agcy	155.4	205.3	252.7	259.0	245.1	218.3	243.4	174.6	172.0	214.6	217.8
Federal Communications Comm	1.5	2.0	2.4	2.9	3.4	1.8	1.2	1.3	9	1.2	9
Federal Emergency Management Agency, total ⁵	NA	NA	4.8	9.7	9.3	9.1	9.2	3.3	6.1	2.9	0
National Fire Prevention & Control Administration ⁵	NA	NA	4.8	0	0	0	0	0	0	0	0
Federal Energy Administration	1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Federal Trade Commission	9	1.1	1.4	1.5	3.0	1.1	1.2	1.4	1.6	1.7	1.8
Foundation for Educational Assistance ⁷	NA	NA	NA	NA	NA	53.8	NA	NA	NA	NA	NA
General Services Admin ¹³	4	4	2.2	2	1	4	5	2	4	4	9

See explanatory information, if any, and SOURCE at end of table.

**Table C-96. Federal obligations for research, by selected agency:
fiscal years 1976-86**

[Dollars in millions]

Page 4 of 4

Selected agency	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
International Development Cooperation Agcy. total ^{1,2}	NA	NA	NA	66.9	79.7	86.4	127.9	156.7	167.0	159.8	184.9
Agcy for Internat'l Dvlpmt ^{1,2}	NA	NA	NA	66.9	79.7	86.4	127.9	156.7	167.0	159.8	184.9
Interstate Commerce Comm	0.1	0.1	0.3	.2	.1	.0	.0	.0	.0	.0	.0
Library of Congress	.4	.4	.5	.6	.6	.9	.9	1.3	2.1	2.1	1.6
National Aeronautics & Space Administration	1,222.8	1,206.1	1,345.2	1,451.2	1,609.6	1,407.2	1,407.1	1,544.8	1,709.2	1,783.6	2,069.0
National Archives & Records Administration ³	NA	NA	NA	NA	NA	NA	NA	NA	NA	2	0
National Science Foundation	595.8	688.3	743.5	800.0	873.7	955.5	973.2	1,062.0	1,202.8	1,345.6	1,353.3
Nuclear Regulatory Commission	88.4	112.3	133.9	148.8	182.7	219.7	220.3	207.3	190.7	150.0	123.8
Office of Personnel Management	NA	NA	1.0	1.4	2.6	3.4	.0	.0	.0	.0	.0
Office of Telecommunications Policy	1.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Office of Thrift Supervision	.8	1.7	1.0	.9	1.2	1.0	2.7	3.0	2.6	2.8	3.3
Small Business Administration	1	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0
Smithsonian Institution	25.7	29.7	34.9	36.9	41.0	44.9	52.4	56.0	63.6	71.1	63.3
Tennessee Valley Authority	16.5	22.9	13.5	16.5	15.8	14.2	12.7	12.3	14.3	14.4	17.8
United States Arms Control & Disarmament Agency	1.4	1.8	2.5	2.7	3.0	1.6	1.3	.8	1.2	1.1	.9
US Information Agency ^{1,4}	.1	.1	.1	.1	.1	1.1	.0	.0	1.4	.1	1.6
US Internat'l Trade Comm	1.5	2.6	3.1	3.4	2.1	3.4	3.8	4.7	5.0	5.8	6.9

¹ Although the Agricultural Marketing Service was established in April 1972, fiscal year 1979 was the first year in which Congress appropriated funds to this agency.

² Data reported for the Economics, Statistics, & Cooperative Service include programs of the Economic Research Service, the Statistical Reporting Service, and the Farmer Cooperative Service for fiscal years 1977-79.

³ Data reported for the Economics & Statistics Service include programs of the Economic Research Service and the Statistical Reporting Service for fiscal year 1980.

⁴ In 1981 the Maritime Administration moved from the Department of Commerce to the Department of Transportation.

⁵ Functions for the National Fire Prevention & Control Administration transferred from the Department of Commerce to the Federal Emergency Management Agency as of Apr. 1, 1979.

⁶ Functions for the Defense Civil Preparedness Agency transferred from the Department of Defense to the Federal Emergency Management Agency on July 20, 1979.

⁷ The 1983 Budget of the United States Government proposed that the Department of Education be replaced by the Foundation for Educational Assistance.

⁸ In 1977 the Energy Research & Development Administration became part of the Department of Energy.

⁹ In fiscal year 1982 the Bonneville Power Administration became part of the Department of Energy.

¹⁰ As of 1985 the Office of Water Research & Technology has been combined with the Geological Survey.

¹¹ In 1984 the Labor-Management Services Administration was replaced by Labor-Management Relations & Cooperative Programs.

¹² The Agency for International Development transferred from the Department of State to the International Development Cooperative Agency on Oct. 1, 1979.

¹³ As of 1985 the National Archives & Records Administration is separate from the General Services Administration.

¹⁴ Data reported for the United States Information Agency include funds for the former International Communication Agency for fiscal years 1977-81.

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: - = Amount less than 50 thousand dollars.

NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year).

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997.

**Table C-96a. Federal obligations for research, by selected agency:
fiscal years 1987-97**

[Dollars in millions]

Page 1 of 4

Selected agency	1987	1988	1989	1990	1991	1992	1993	1994	1995	Preliminary	
										1996	1997
Total, all agencies	17,940.5	18,650.1	20,765.5	21,622.4	23,968.4	24,490.6	26,890.5	27,440.4	28,573.4	28,577.8	29,173.5
Departments:											
Dept of Agriculture, total	918.9	985.2	1,002.2	1,061.3	1,175.5	1,261.0	1,251.7	1,322.2	1,299.6	1,272.1	1,286.3
Agricultural Cooperative Svc	2.7	2.7	2.8	2.7	2.8	3.4	2.9	3.7	NA	NA	NA
Agricultural Marketing Svc ¹	1.2	1.3	1.3	2.2	3.7	4.1	4.1	4.2	4.2	4.2	4.3
Agricultural Research Svc ²	454.6	479.4	492.1	512.3	550.8	583.2	574.3	624.4	628.6	626.4	640.9
Animal & Plant Health Inspection Service	4.9	5.6	7.4	0	0	0	0	0	0	0	0
Cooperative State Rsch, Ed, & Extension Service ³	270.7	298.4	307.3	324.2	376.8	418.2	418.6	429.0	417.7	406.2	402.2
Economic Research Service	44.8	48.1	49.5	50.5	54.4	58.9	58.9	55.2	53.8	53.1	54.9
Foreign Agricultural Svc ⁴	0	0	0	0	0	0	0	8	5	1.4	1.4
Forest Service	122.9	131.5	127.5	153.8	170.2	175.8	177.2	189.8	187.7	172.7	174.4
Grain Inspection Packers & Stockyards Administration ⁵	7	6	8	2	7	1.5	1.8	1.8	1.5	2.8	2.8
Human Nutrition Information Service ²	6.8	8.2	8.4	9.0	9.9	10.7	8.4	7.0	NA	NA	NA
National Agricultural Statistics Service	3.4	3.6	2.9	2.8	3.2	3.6	3.9	3.9	4.0	3.9	3.9
Office of International Cooperation & Dvlpmnt ⁴	5.3	4.8	2.3	3.4	3.0	1.5	1.5	0	NA	NA	NA
Office of Transportation	9	9	NA	NA	NA	NA	NA	NA	NA	NA	NA
Rural Business-Cooperative Service ⁵	NA	NA	NA	NA	NA	NA	NA	2.4	1.6	1.4	1.4
Department of Commerce, total	338.6	342.3	351.0	377.0	449.7	595.9	582.1	718.3	892.3	898.0	868.6
Bureau of the Census	2.8	3.8	3.0	4.9	4.8	3.4	3.3	2.8	2.9	2.9	2.9
Economic Development Admin	5.0	4.2	1.0	1.2	1.4	5	0	6	5	5	1.5
National Institute of Standards & Technology	89.4	98.9	105.6	111.8	124.3	149.4	172.9	207.3	372.1	409.0	366.3
National Oceanic & Atmospheric Administration	234.4	228.2	234.6	252.4	315.6	438.7	401.7	502.7	510.4	481.2	493.1
National Telecommunications & Information Administration	7.0	7.3	6.9	6.8	3.6	4.0	4.2	4.8	6.4	4.5	4.7
Office of the Secretary	0	0	0	0	0	0	0	0	0	0	0
Department of Defense, total	3,347.6	3,239.1	3,656.1	3,529.2	3,717.9	4,073.4	4,783.5	4,262.2	4,333.9	3,948.4	3,861.5
Department of the Army	909.9	753.7	823.4	780.2	860.5	932.7	1,018.6	852.6	852.1	649.1	672.1
Department of the Navy	786.7	747.8	783.2	807.6	874.0	892.8	996.1	847.1	880.0	941.5	853.7
Department of the Air Force	784.8	773.1	807.4	776.3	830.4	790.5	887.8	814.3	834.5	881.9	872.6
Defense Agencies	866.1	964.5	1,242.1	1,165.1	1,153.0	1,457.3	1,881.0	1,748.2	1,767.5	1,475.9	1,463.2
Department of Education	106.9	111.0	122.0	130.3	131.7	127.0	133.6	136.8	138.4	141.6	142.7
Department of Energy	2,097.9	2,235.4	2,431.7	2,570.5	3,273.6	3,412.5	3,440.2	3,282.5	3,459.9	3,299.4	3,575.1

See explanatory information, if any, and SOURCE at end of table.

**Table C-96a. Federal obligations for research, by selected agency:
fiscal years 1987-97**

[Dollars in millions]

Page 2 of 4

Selected agency	1987	1988	1989	1990	1991	1992	1993	1994	1995	Preliminary	
										1996	1997
Department of Health & Human Services, total	6,021.9	6,497.0	7,088.4	7,467.1	8,162.5	7,945.5	9,192.6	9,736.4	10,076.0	10,524.6	10,768.1
Administration on Aging ⁷	NA	NA	NA	NA	2.9	2.5	2.7	3.5	3.0	2	0
Administration for Children & Families ^{8, 7}	NA	NA	NA	NA	13.5	34.3	18.5	10.4	11.2	8.3	17.5
Agency for Health Care Policy & Research ⁹	NA	NA	NA	44.2	93.0	97.8	105.6	142.0	124.0	59.0	77.0
Alcohol, Drug Abuse, & Mental Health Administration ¹⁰	473.3	552.4	692.6	801.2	923.0	NA	NA	NA	NA	NA	NA
Centers for Disease Control & Prevention	66.2	88.7	117.8	95.6	113.4	146.9	162.5	206.8	317.4	323.2	361.2
Food & Drug Administration	85.0	91.0	99.0	99.0	125.0	135.7	154.5	169.4	170.5	170.5	170.5
Health Care Financing Admin	27.3	28.2	49.1	49.1	69.1	75.5	68.2	80.0	74.5	54.5	55.3
Hlth Resources & Svcs Admin	9.3	10.0	10.5	11.9	11.0	10.1	9.6	10.6	12.2	11.8	11.7
Human Development Svcs ⁷	9.4	7.1	8.5	7.7	NA	NA	NA	NA	NA	NA	NA
National Insts of Health ¹⁰	5,314.7	5,680.7	6,061.8	6,335.8	6,783.0	7,398.7	8,638.5	9,079.7	9,333.6	9,888.2	10,066.0
Office of the Assistant Secretary for Health ⁹	18.9	19.4	25.6	5.8	9.6	6.0	0	0	0	0	0
Office of the Secretary	8.2	4.7	7.8	5.0	8.8	5.0	8.0	11.7	9.1	9.0	9.0
Social Security Admin ¹¹	9.8	14.7	15.8	11.8	10.2	33.0	24.5	22.2	20.4	NA	NA
Dept of Housing & Urban Dvlpmt	5.5	6.3	6.1	6.6	9.4	8.8	8.1	13.7	14.2	12.2	16.7
Dept of the Interior, total	382.1	392.5	441.9	475.2	553.4	570.6	580.1	650.2	532.4	539.6	546.1
Bureau of Land Management	2.1	2.2	2.0	2.1	5.9	5.9	8.0	0	0	0	0
Bureau of Mines	85.2	86.2	93.2	89.9	99.0	102.9	105.0	95.4	0	NA	NA
Bureau of Reclamation	10.2	3.7	3.5	5.3	7.8	10.7	7.4	5.5	6.0	4.5	5.7
Geological Survey ¹²	216.5	225.3	266.9	293.2	338.4	344.5	343.9	355.4	347.9	494.5	499.0
Minerals Management Service	1.0	1.2	2.2	1.9	2.7	3.8	5.8	20.6	20.0	20.8	20.6
Nat'l Biological Svc ^{13, 12}	NA	NA	NA	NA	NA	NA	0	149.0	138.8	NA	NA
National Park Service ¹³	18.5	19.4	19.4	20.1	27.5	31.1	38.1	24.2	19.7	19.8	20.8
Office of the Secretary	0	1	0	0	1	2	2	0	0	0	0
Office of Surface Mining Reclamation & Enforcement	1.0	1.0	7	7	1.0	3	5	0	0	0	0
US Fish & Wildlife Svc ¹³	47.6	53.5	53.9	62.0	71.0	71.2	71.2	0	0	0	0
Department of Justice, total	19.8	17.4	17.5	19.9	21.1	20.3	25.6	25.9	25.8	27.2	35.2
Bureau of Prisons ¹⁴	2.2	2.1	2.1	1.8	1.9	2.5	2.5	2.1	3.2	1.9	1.9
Drug Enforcement Admin	.7	6	.5	.4	.9	.1	-	1	0	-	1
Immigration & Naturalization Service	2	3	1	4	4	4	4	4	4	4	4
Office of Justice Programs	16.7	14.4	14.8	17.3	17.9	17.3	22.7	23.3	22.2	24.9	32.9
Office of Legal Policy	.1	0	0	0	0	0	0	0	0	0	0
Department of Labor, total	20.4	26.7	22.2	21.6	24.3	23.8	19.0	19.6	28.2	24.7	23.8
Bureau of Labor Statistics	6.5	7.0	7.0	7.3	7.5	7.6	6.9	7.1	13.1	13.3	12.6
Employment Standards Admin	1.0	1	1	1	0	0	0	0	0	0	0
Employment & Training Admin	5.4	6.8	6.1	6.0	6.6	5.6	3.5	3.1	4.2	3.0	2.4
Labor-Management Relations & Cooperative Programs	.3	.4	.3	NA	NA	NA	NA	NA	NA	NA	NA
Occupational Safety & Health Administration	4.1	4.2	4.5	2.5	2.6	3.1	2.5	3.3	4.4	3.2	3.5
Office of the Secretary	1.8	5.2	2.5	3.3	4.7	4.1	2.9	3.1	2.9	2.9	2.9
Pension Benefit Guaranty Corp	.3	.3	.3	.3	.4	.8	.7	.3	1	1	1
Pension & Welfare Benefits Administration	1.0	2.7	1.4	2.1	2.5	2.6	2.6	2.7	3.6	2.3	2.3
Department of State ¹⁵	3.0	4.2	4.7	4.7	5.9	5.6	5.3	8.2	5.0	4.3	4.3

See explanatory information, if any, and SOURCE at end of table.

**Table C-96a. Federal obligations for research, by selected agency:
fiscal years 1987-97**

[Dollars in millions]

Page 3 of 4

Selected agency	1987	1988	1989	1990	1991	1992	1993	1994	1995	Preliminary	
										1996	1997
Dept of Transportation, total	68.8	91.2	120.5	119.2	114.6	156.9	226.1	273.4	370.7	334.0	394.3
Coast Guard	3.7	5.4	4.6	5.1	6.4	5.0	8.2	5.6	4.9	5.0	4.9
Federal Aviation Admin	11.1	13.3	23.6	26.1	24.0	30.1	59.8	79.5	83.3	60.4	67.6
Federal Highway Admin	20.7	43.7	56.6	57.6	46.1	73.2	91.7	134.2	203.1	198.1	235.4
Federal Railroad Admin	10.4	8.2	7.5	8.5	13.2	18.9	20.9	16.1	22.5	19.9	23.5
Federal Transit Admin ¹⁶	0	0	0	0	0	0	10.9	7.8	10.9	5.5	5.8
Maritime Administration	3.3	5	0	9	1.7	1.8	1.7	1.7	2.5	0	2.0
National Highway Traffic Safety Administration	18.9	19.1	26.2	16.9	21.4	25.8	31.6	25.3	39.7	38.2	45.7
Office of the Secretary Rsch & Special Programs Administration	4	7	1.3	1.7	6	7	6	6	6	0	0
	2	4	7	2.4	1.4	1.4	5	2.6	3.2	6.9	9.5
Dept of the Treasury, total	17.4	15.9	16.3	18.7	24.1	20.8	11.1	9.2	48.9	50.3	53.9
Bureau of Engraving & Printing	2.8	1.2	1.4	1.4	2.7	1.8	3.2	1.6	1.3	1.3	1.2
Internal Revenue Svc ^{17, 18}	14.1	13.7	14.1	16.5	17.5	17.5	6.5	6.1	45.8	47.2	50.8
Off of Thrift Supervision ¹⁹	NA	NA	NA	0	3.0	8	7	5	6	5	6
United States Customs Svc	2	7	4	4	5	2	1	5	7	7	7
US Secret Service ²⁰	2	4	4	5	4	5	6	5	5	6	6
Department of Veterans Affairs	190.3	196.1	213.7	215.6	193.8	200.9	207.4	223.5	218.8	253.8	236.2
Other agencies:											
Advisory Commission on Intergovernmental Relations	1.9	1.8	1.1	1.5	1.7	1.7	2.1	1.4	1.4	1.4	0
Appalachian Regional Comm	1	2	8	4	7	1.9	9	9	9	9	9
Consumer Product Safety Comm	6	1	5	4	9	8	8	1	0	0	0
Environmental Protection Agcy	277.2	267.9	273.3	315.2	353.1	404.3	361.5	402.3	401.6	352.2	410.6
Federal Communications Comm	1.0	1.2	1.1	1.3	1.4	1.6	1.6	1.7	2.3	2.8	2.7
Federal Trade Commission	5	4	4	5	1.0	1.3	9	7	6	1.0	1.0
General Services Admin	1.6	2.3	5	7	0	0	0	0	0	0	0
International Development Cooperation Agcy, total	154.0	135.1	219.1	305.2	357.4	300.1	359.2	216.2	272.7	226.7	172.7
Agcy for Internat'l Dvlpm ¹⁵	154.0	135.1	219.1	305.2	357.4	300.1	359.2	216.2	272.7	226.7	172.7
Library of Congress	1.5	1.6	1.6	1.5	1.7	1.8	1.8	1.9	2.1	1.8	1.9
National Aeronautics & Space Administration	2,269.2	2,331.6	2,878.8	3,060.7	3,371.2	3,229.3	3,548.7	3,840.6	4,046.1	4,281.6	4,240.5
Nat'l Archives & Records Admin	7	5	2	3	6	6	3	3	1	1	1
National Science Foundation	1,470.5	1,532.8	1,670.4	1,689.5	1,785.2	1,868.4	1,881.9	2,040.4	2,149.3	2,141.7	2,278.9
Nuclear Regulatory Commission	122.5	108.5	114.8	108.8	108.8	119.0	119.8	90.7	88.2	59.2	59.0
Office of Thrift Supervision ¹⁹	3.4	3.4	4.1	4.1	NA	NA	NA	NA	NA	NA	NA
Smithsonian Institution	71.5	75.1	80.2	84.0	98.0	98.0	102.0	124.2	124.0	125.4	136.8
Social Security Admin ¹¹	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.3	27.7

See explanatory information, if any, and SOURCE at end of table

**Table C-96a. Federal obligations for research, by selected agency:
fiscal years 1987-97**

[Dollars in millions]

Page 4 of 4

Selected agency	1987	1988	1989	1990	1991	1992	1993	1994	1995	Preliminary	
										1996	1997
Tennessee Valley Authority	17.7	18.5	14.6	21.7	18.8	24.4	27.9	25.9	26.4	31.1	14.2
United States Arms Control & Disarmament Agency ²¹	4	8	1.2	2	4	2.1	1.5	1.3	1.1	.5	1.0
US Information Agency	0	1	0	5	1	0	1.1	6	.3	2	1
US International Trade Comm	7.2	8.1	8.7	9.1	9.9	12.3	12.2	9.4	12.2	12.7	12.5

- ¹ Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.
- ² The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.
- ³ The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.
- ⁴ The Office of International Cooperation & Development became part of the Foreign Agricultural Service (FAS) in June 1994. Data reported for FAS include funds appropriated to International Cooperation & Development programs within FAS as of fiscal year 1994.
- ⁵ The Federal Grain Inspection Service was abolished on Oct. 20, 1994, and its functions were assumed by the Grain Inspection Packers & Stockyards Administration.
- ⁶ This agency's name changed from the Rural Business & Cooperative Development Service to the Rural Business-Cooperative Service on Jan. 30, 1996.
- ⁷ In fiscal year 1991 Human Development Services was replaced by the Administration for Children & Families (ACF) and by the Administration on Aging (AoA). Beginning in fiscal year 1992, data shown for the ACF are separate from obligations for the AoA.
- ⁸ Obligations reported for the Administration for Children & Families may be incomplete for fiscal year 1992 due to unavailability of data.
- ⁹ In fiscal year 1991 the Agency for Health Care Policy & Research became separate from the Office of the Assistant Secretary for Health.
- ¹⁰ Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.
- ¹¹ As of Mar. 31, 1995, the Social Security Administration became an independent agency; it is no longer part of the Department of Health & Human Services.
- ¹² As of fiscal year 1996, data for the National Biological Service (NBS) are included with the Geological Survey's submission, since NBS's funding comes from the Geological Survey's congressional appropriation.
- ¹³ The National Biological Service's (NBS) name changed from the National Biological Survey on Jan. 5, 1995. As of fiscal year 1994, NBS performs all biological research activities formerly funded by the United States Fish & Wildlife Service and the National Park Service.
- ¹⁴ The Bureau of Prisons was formerly listed as the Federal Prison System.
- ¹⁵ Increases in outlays and obligations reported by the Department of State during the Vol. 44 survey cycle reflect reporting of monies received through interagency agreements with the Agency for International Development. The Department of State transfers these outlays and obligations to other R&D performers.
- ¹⁶ The name of this agency changed from the Urban Mass Transit Administration to the Federal Transit Administration on Dec. 18, 1991.
- ¹⁷ Due to the reorganization of the Internal Revenue Service and subsequent unavailability of data, fiscal year 1992 figures are taken from estimates made in the Vol. 41 submission.
- ¹⁸ Large changes in obligations reported by the Internal Revenue Service for Vol. 44 are due to shifts in research funding.
- ¹⁹ In 1989 the Federal Home Loan Bank Board was replaced by the Office of Thrift Supervision. In 1990 the Office of Thrift Supervision became part of the Department of the Treasury.
- ²⁰ The United States Secret Service was formerly listed as the Office of Protective Research.
- ²¹ Fiscal year 1994 figures for the United States Arms Control & Disarmament Agency are estimates based on the agency's Vol. 43 submission.

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: - = Amount less than 50 thousand dollars
NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development, Fiscal Years 1995, 1996, and 1997

**Table C-97. Federal obligations for basic research, by selected agency:
fiscal years 1976-86**

[Dollars in millions]

Page 1 of 3

Selected agency	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Total, all agencies	2,767.5	3,258.6	3,698.6	4,192.7	4,674.2	5,041.3	5,481.6	6,260.1	7,067.4	7,818.7	8,153.1
Departments:											
Dept of Agriculture, total	171.4	204.5	242.7	256.4	275.7	314.1	330.8	362.0	392.6	445.4	432.9
Agricultural Research Svc	NA	NA	NA	NA	NA	186.4	192.9	215.3	240.6	250.2	247.7
Cooperative State Rsch, Ed, & Extension Service	NA	NA	NA	NA	NA	83.9	91.3	98.8	99.6	141.5	131.7
Economic Research Service	NA	NA	NA	NA	NA	3.6	3.9	3.9	4.4	4.6	4.5
Economics, Statistics, & Cooperative Svc, total ¹	4.0	3.8	3.9	6.4	NA	NA	NA	NA	NA	NA	NA
Economic Research Service	3.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Statistical Reporting Svc	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Economics & Statistics Svc ²	NA	NA	NA	NA	6.6	NA	NA	NA	NA	NA	NA
Forest Service	22.6	26.7	30.8	31.4	33.7	38.1	38.7	38.8	41.2	44.1	42.2
National Agricultural Statistics Service	0	NA	NA	NA	NA	0	2.3	2.5	2.7	2.8	2.6
Office of International Cooperation & Development	NA	NA	NA	0	2.3	1.7	1.1	2.3	3.6	1.5	3.7
Office of Transportation	NA	NA	NA	0	0	5	5	5	6	6	5
Science & Ed Admin, total	144.8	174.0	207.9	218.6	233.0	NA	NA	NA	NA	NA	NA
Agricultural Research Svc	101.7	125.6	142.4	148.2	157.8	NA	NA	NA	NA	NA	NA
Cooperative State Rsch Svc	43.1	48.4	65.6	70.5	75.2	NA	NA	NA	NA	NA	NA
Department of Commerce, total	11.0	12.3	11.8	11.9	15.9	16.2	16.9	19.2	20.6	23.2	26.5
Bureau of the Census	2	2	5	6	5	4	3	3	4	4	5
Economic Development Admin	1.7	1.0	2.7	5	3	2	0	5	0	0	0
Maritime Administration ³	1.2	1.2	2.7	2.0	2.0	NA	NA	NA	NA	NA	NA
Minority Business Dvlpmt Agcy	0	2	0	0	0	0	0	0	0	0	0
National Fire Prevention & Control Administration ⁴	2.1	2.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
National Institute of Standards & Technology	5.8	6.9	5.9	8.8	12.8	15.6	16.5	18.4	20.2	22.1	25.7
National Telecommunications & Information Administration	NA	1	0	0	0	0	0	0	0	0	0
Office of the Secretary	0	0	0	0	3	0	0	0	0	8	3
Office of Telecommunications	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Department of Defense, total	326.9	373.3	410.4	471.5	540.3	604.3	686.7	785.6	847.9	861.4	923.9
Department of the Army	81.4	99.0	104.1	115.0	132.2	148.1	187.7	208.3	222.1	240.8	248.5
Department of the Navy	129.7	153.8	172.1	192.1	214.9	238.0	280.3	305.4	315.8	343.1	337.3
Department of the Air Force	83.9	84.8	95.1	105.0	108.2	125.8	145.8	164.2	192.4	196.3	216.5
Defense Agencies	31.9	35.6	39.1	59.3	85.1	92.4	72.9	107.7	117.6	79.2	121.7
Department of Education ⁵	NA	NA	NA	20.6	17.6	0	14.2	14.2	12.2	14.6	4.5
Department of Energy ^{6, 7}	NA	389.5	440.5	463.0	523.1	586.3	642.2	767.7	830.4	942.6	959.7
Department of Health, Education, & Welfare, total	986.2	1,119.5	1,292.3	NA	NA	NA	NA	NA	NA	NA	NA
Alcohol, Drug Abuse, & Mental Health Administration	52.6	62.7	79.9	NA	NA	NA	NA	NA	NA	NA	NA
Health Resources Admin	3.1	0	0	NA	NA	NA	NA	NA	NA	NA	NA
Health Services Admin	3	2.0	6	NA	NA	NA	NA	NA	NA	NA	NA
National Inst of Education	5.1	11.9	18.3	NA	NA	NA	NA	NA	NA	NA	NA
National Insts of Health	920.3	1,032.8	1,181.1	NA	NA	NA	NA	NA	NA	NA	NA
Office of Assistant Secretary for Health	0	4.0	5.1	NA	NA	NA	NA	NA	NA	NA	NA
Office of Human Dvlpmt Svcs	0	2.2	2.2	NA	NA	NA	NA	NA	NA	NA	NA
Office of the Secretary	4.9	4.0	5.1	NA	NA	NA	NA	NA	NA	NA	NA

See explanatory information, if any, and SOURCE at end of table

**Table C-97. Federal obligations for basic research, by selected agency:
fiscal years 1976-86**

[Dollars in millions]

Page 2 of 3

Selected agency	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Department of Health & Human Services, total	NA	NA	NA	1,576.0	1,762.7	1,900.4	2,144.7	2,475.4	2,814.5	3,232.5	3,338.8
Alcohol, Drug Abuse, & Mental Health Administration	NA	NA	NA	94.6	104.7	116.3	117.3	145.0	170.8	196.8	203.4
Hlth Resources & Svcs Admin	NA	NA	NA	NA	NA	NA	6	8	8	9	1.0
Health Services Admin	NA	NA	NA	2.0	2.0	3.8	NA	NA	NA	NA	NA
Human Development Services	NA	NA	NA	0	0	4	4	0	0	0	0
National Insts of Health	NA	NA	NA	1,463.7	1,642.3	1,766.8	2,020.7	2,313.0	2,624.8	3,018.0	3,118.6
Office of the Assistant Secretary for Health	NA	NA	NA	13.6	11.6	12.4	5.7	16.6	18.1	16.9	15.8
Office of the Secretary	NA	NA	NA	2.1	2.0	6	0	0	0	0	0
Dept of the Interior, total	54.3	63.6	65.9	72.5	71.6	80.7	76.5	103.0	125.9	138.3	133.0
Bonneville Power Admin ⁷	0	0	0	0	0	4	NA	NA	NA	NA	NA
Bureau of Mines	8	4.0	8.6	13.7	11.5	13.6	15.9	23.5	40.5	49.9	44.9
Bureau of Reclamation	1	1	2	1	2	1	1	1	1	3	1
Geological Survey ⁸	39.5	40.3	46.3	49.0	47.3	53.5	52.6	64.7	78.9	80.5	83.4
National Park Service	6	0	0	0	0	0	0	0	0	0	0
Office of the Secretary	1.0	3.2	1.7	1.4	2.2	1.5	5	7.4	1	1.9	1.0
Office of Water Rsch & Tech ⁹	3.6	2.9	4.6	4.6	6.6	7.6	3.3	5	4	NA	NA
US Fish & Wildlife Svc	8.8	13.1	4.5	3.7	3.8	3.9	4.1	6.9	5.9	5.7	3.6
Department of Justice, total	4.5	5.1	14.7	7.9	9.5	4.6	3.1	3.6	4.7	4.2	5.3
Office of Justice Programs	4.5	5.1	14.7	7.9	9.5	4.6	3.1	3.6	4.7	4.2	5.3
Department of Labor, total	1.0	.7	3.7	2.3	3.9	3.7	6.5	5.3	5.0	3.3	.9
Employment & Training Admin	.6	.6	3.5	1.8	3.9	3.7	6.5	5.3	5.0	3.3	.9
Labor-Management Services Administration ⁹	3	1	2	5	0	0	0	0	NA	NA	NA
Department of State, total ¹⁰	0	0	0	0	0	0	0	0	0	0	0
Departmental Funds	0	0	0	0	0	0	0	0	0	0	0
Dept of Transportation, total	0	0	0	0	0	1.2	1.0	.9	3.5	1.1	.6
Coast Guard	0	0	0	0	0	3	0	4	0	0	0
Maritime Administration ³	NA	NA	NA	NA	NA	7	1.0	5	3.5	1.1	.6
Rsch & Special Programs Administration	NA	0	0	0	0	3	0	0	0	0	0
Dept of the Treasury, total	0	0	0	2	1.7	2.3	2.2	3.5	4.0	4.8	5.1
Bureau of Engraving & Printing	0	0	0	0	0	0	0	.6	.8	.3	.4
Internal Revenue Service	0	0	0	2	1.7	2.3	2.2	2.9	3.2	4.4	4.5
United States Secret Service	NA	NA	NA	NA	0	0	0	0	0	0	2
Department of Veterans Affairs	8.9	9.1	8.9	9.5	14.3	15.0	12.9	14.1	15.8	15.4	14.8
Other agencies											
ACTION		1	0	0	0	0	0	0	0	0	0
Civil Service Commission	3	4	NA	NA	NA	NA	NA	NA	NA	NA	NA
Consumer Product Safety Comm	0	0	0	0	0	1	0	0	0	0	0
Energy Rsch & Dvlpmnt Admin ⁶	345.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Environmental Protection Agcy	13.7	8.3	6.0	10.1	13.6	10.5	32.7	22.2	29.6	38.6	38.5
Federal Emergency Management Agency, total ¹¹	NA	NA	2.8	3.0	2.6	2.6	1.4	0	0	0	0
National Fire Prevention & Control Administration ⁴	NA	NA	2.8	0	0	0	0	0	0	0	0
Federal Trade Commission	.3	.4	.5	.4	1.5	.9	1.0	1.2	1.3	1.5	1.6
Foundation for Educational Assistance ⁵	NA	NA	NA	NA	NA	20.6	NA	NA	NA	NA	NA
General Services Admin ¹²	1	1	1.8		0	0	0	0	1	1	0

See explanatory information, if any, and SOURCE at end of table

**Table C-97. Federal obligations for basic research, by selected agency:
fiscal years 1976-86**

[Dollars in millions]

Page 3 of 3

Selected agency	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
International Development Cooperation Agcy, total ¹⁰	NA	NA	NA	0	0	0	0	4.1	3.0	1.7	4.3
Agcy for Internat'l Dvlpmt ¹⁰	NA	NA	NA	0	0	0	0	4.1	3.0	1.7	4.3
Library of Congress	0.2	0.1	0.1	0.1	0.1	0.2	0.1	.3	6	6	4
National Aeronautics & Space Administration	293.2	413.8	479.7	512.8	559.1	531.1	535.7	617.0	754.5	750.9	916.7
National Archives & Records Administration ¹²	NA	NA	NA	NA	NA	NA	NA	NA	NA	.1	0
National Science Foundation	523.6	624.9	678.0	733.3	815.2	896.6	916.1	999.1	1,132.3	1,261.8	1,275.2
Office of Telecommunications Policy	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Smithsonian Institution	25.7	29.7	34.9	36.9	41.0	44.9	52.4	56.0	63.6	71.1	63.3
Tennessee Valley Authority	0	3.5	3.8	4.1	4.6	4.8	4.6	5.6	5.1	5.5	7.3
US Information Agency ¹³	0	0	0	0	0	.1	0	0	0	0	0

¹ Data reported for the Economics, Statistics, & Cooperative Service include programs of the Economic Research Service, the Statistical Reporting Service, and the Farmer Cooperative Service for fiscal years 1977-79.

² Data reported for the Economics & Statistics Service include programs of the Economic Research Service and the Statistical Reporting Service for fiscal year 1980.

³ In 1981 the Maritime Administration moved from the Department of Commerce to the Department of Transportation.

⁴ Functions for the National Fire Prevention & Control Administration transferred from the Department of Commerce to the Federal Emergency Management Agency as of Apr. 1, 1979.

⁵ The 1983 Budget of the United States Government proposed that the Department of Education be replaced by the Foundation for Educational Assistance.

⁶ In 1977 the Energy Research & Development Administration became part of the Department of Energy.

⁷ In fiscal year 1982 the Bonneville Power Administration became part of the Department of Energy.

⁸ As of 1985 the Office of Water Research & Technology has been combined with the Geological Survey.

⁹ In 1984 the Labor-Management Services Administration was replaced by Labor-Management Relations & Cooperative Programs.

¹⁰ The Agency for International Development transferred from the Department of State to the International Development Cooperative Agency on Oct. 1, 1979.

¹¹ Functions for the Defense Civil Preparedness Agency transferred from the Department of Defense to the Federal Emergency Management Agency on July 20, 1979.

¹² As of 1985 the National Archives & Records Administration is separate from the General Services Administration.

¹³ Data reported for the United States Information Agency include funds for the former International Communication Agency for fiscal years 1977-81.

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: - = Amount less than 50 thousand dollars

NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

**Table C-97a. Federal obligations for basic research, by selected agency:
fiscal years 1987-97**

[Dollars in millions]

Page 1 of 2

Selected agency	1987	1988	1989	1990	1991	1992	1993	1994	1995	Preliminary	
										1996	1997
Total, all agencies	8,942.4	9,473.6	10,602.0	11,285.6	12,170.8	12,489.9	13,399.1	13,552.9	13,895.5	14,482.1	14,732.3
Departments:											
Dept of Agriculture, total	445.5	480.6	484.9	519.2	557.6	595.2	615.9	606.3	594.9	586.3	607.8
Agricultural Marketing Svc ¹	0	0	0	5	0	0	0	0	0	0	0
Agricultural Research Svc ²	253.4	271.1	282.7	294.0	309.7	326.1	341.0	366.5	369.0	367.7	376.2
Cooperative State Rsch, Ed, & Extension Service ³	132.8	145.8	142.6	153.7	170.4	189.6	192.5	194.7	186.0	180.7	193.2
Economic Research Service	6.3	6.7	6.9	7.1	7.6	8.2	10.6	9.9	5.4	5.3	5.5
Foreign Agricultural Svc ⁴	0	0	0	0	0	0	0	6	3	1.1	1.1
Forest Service	49.4	51.6	50.0	60.3	66.6	68.9	69.4	33.3	32.9	30.3	30.6
National Agricultural Statistics Service	1.1	1.2	1.0	.9	1.1	1.2	1.3	1.3	1.3	1.3	1.3
Office of International Cooperation & Dvlpm ⁴	1.9	3.6	1.7	2.6	2.2	1.2	1.2	.0	NA	NA	NA
Office of Transportation	.5	.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Department of Commerce, total	25.8	30.9	29.1	31.4	34.3	34.5	37.2	40.1	39.3	37.5	38.8
Bureau of the Census	.7	1.3	1.2	2.8	2.4	.9	.4	.3	.3	.3	.3
National Institute of Standards & Technology	25.1	26.3	27.9	28.6	31.9	33.6	36.5	39.8	38.9	37.2	38.5
National Oceanic & Atmospheric Administration	0	3.2	0	.0	.0	.0	.3	.0	.0	.0	.0
Department of Defense, total	907.6	876.9	947.9	947.6	994.2	1,098.9	1,268.2	1,222.3	1,264.1	1,134.2	1,145.8
Department of the Army	217.0	165.7	187.2	185.1	188.6	204.9	215.7	213.3	218.8	190.4	204.8
Department of the Navy	354.3	341.8	354.0	365.0	388.0	393.8	422.0	400.1	409.4	373.2	386.8
Department of the Air Force	221.6	196.4	202.8	197.0	209.2	205.8	218.7	242.4	206.8	233.8	234.0
Defense Agencies	114.8	173.0	203.9	200.5	208.3	294.4	411.8	366.5	429.1	336.8	320.2
Department of Education	3.1	4.4	4.4	4.9	8.6	7.5	5.3	5.5	5.5	3.5	2.9
Department of Energy	1,068.5	1,184.8	1,410.9	1,504.8	1,686.5	1,736.4	1,754.8	1,603.2	1,634.4	1,956.6	2,034.6
Department of Health & Human Services, total	3,827.9	4,081.4	4,388.0	4,649.0	5,050.1	5,058.7	5,696.7	5,884.0	6,061.1	6,441.5	6,558.3
Administration on Aging ⁵	NA	NA	NA	NA	0	0	0	0	0	.2	0
Agency for Health Care Policy & Research ⁶	NA	NA	NA	.0	0	0	0	.8	0	0	0
Alcohol, Drug Abuse, & Mental Health Administration ⁷	232.2	265.8	308.0	386.2	459.1	NA	NA	NA	NA	NA	NA
Hlth Resources & Svcs Admin	1.3	1.1	1.2	1.2	1.5	1.3	1.1	.8	1.0	.8	.8
National Insts of Health ⁷	3,575.5	3,795.1	4,053.3	4,261.7	4,589.5	5,057.4	5,695.6	5,882.4	6,060.0	6,440.5	6,557.5
Office of the Assistant Secretary for Health ⁶	18.9	19.4	25.6	.0	0	0	0	0	0	0	0
Dept of the Interior, total	134.9	126.5	188.9	205.4	229.3	230.9	230.3	83.2	55.2	55.9	56.9
Bureau of Land Management	0	0	0	0	1.1	.6	.6	0	0	0	0
Bureau of Mines	45.6	32.1	43.9	40.6	42.8	43.7	44.6	25.4	.0	NA	NA
Bureau of Reclamation	1	1	-	1	1	0	0	0	0	0	0
Geological Survey ⁸	84.9	89.5	140.2	159.1	179.1	180.1	178.0	43.5	41.6	55.5	56.3
Nat'l Biological Svc ⁹	NA	NA	NA	NA	NA	NA	.0	13.7	13.0	NA	NA
National Park Service ⁹	0	0	0	0	0	0	.6	.7	.5	.4	.6
US Fish & Wildlife Svc ⁹	4.3	4.8	4.8	5.6	6.2	6.4	6.4	.0	.0	.0	.0
Department of Justice, total	8.1	7.6	6.8	8.8	6.4	5.3	5.0	5.9	8.1	8.3	12.4
Office of Justice Programs	8.1	7.6	6.8	8.8	6.4	5.3	5.0	5.9	8.1	8.3	12.4
Department of Labor, total	1.4	.4	.3	.3	.3	.2	5.6	5.8	11.6	11.5	11.3
Bureau of Labor Statistics	0	0	0	0	0	0	5.4	5.6	11.6	11.5	11.3
Employment & Training Admin	1.4	.4	.3	.3	.3	.2	.2	.2	.0	.0	.0
Pension Benefit Guaranty Corp	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Department of State ¹⁰	2.6	3.1	3.4	3.5	4.6	4.9	4.8	7.8	4.5	3.8	3.8

See explanatory information, if any, and SOURCE at end of table.

**Table C-97a. Federal obligations for basic research, by selected agency:
fiscal years 1987-97**

[Dollars in millions]

Page 2 of 2

Selected agency	1987	1988	1989	1990	1991	1992	1993	1994	1995	Preliminary	
										1996	1997
Dept of Transportation, total	0.2	0	0	0	0	1.2	1.7	3.0	46.9	45.7	54.3
Federal Highway Admin	0	0	0	0	0	1.2	1.7	3.0	46.9	45.7	54.3
Maritime Administration	2	0	0	0	0	0	0	0	0	0	0
Dept of the Treasury, total	4.7	4.8	3.4	3.4	3.6	3.6	6.5	-	-	1	-
Bureau of Engraving & Printing	1	1	5	0	0	0	0	-	-	1	-
Internal Revenue Svc ^{11 12}	4.4	4.7	2.9	3.4	3.6	3.6	6.5	0	0	0	0
US Secret Service ¹³	2	1	0	0	0	0	0	0	0	0	0
Department of Veterans Affairs	17.2	17.3	16.6	16.2	16.1	15.7	13.3	14.4	12.4	14.4	13.7
Other agencies:											
Environmental Protection Agency	31.1	27.2	50.7	73.6	91.2	110.4	89.1	101.4	70.3	65.9	75.1
International Development Cooperation Agency, total	2.8	3.0	3.1	5.0	5.7	5.8	8.4	1.8	2.3	2.4	4.9
Agency for International Development ¹⁰	2.8	3.0	3.1	5.0	5.7	5.8	8.4	1.8	2.3	2.4	4.9
Library of Congress	4	4	4	3	4	4	3	4	5	4	5
National Aeronautics & Space Administration	1,013.7	1,112.7	1,417.4	1,636.9	1,705.6	1,738.2	1,800.1	1,963.9	1,978.2	2,009.2	1,885.0
Natl Archives & Records Admin	5	2	1	2	4	5	2	2	0	0	0
National Science Foundation	1,371.2	1,433.2	1,562.6	1,586.3	1,676.2	1,741.5	1,743.8	1,870.7	1,973.3	1,967.7	2,089.6
Smithsonian Institution	71.5	75.1	80.2	84.0	98.0	98.0	102.0	124.2	124.0	125.4	136.8
Tennessee Valley Authority	3.9	3.2	2.9	4.7	1.9	2.1	9.9	8.9	9.0	11.8	0

¹ Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

² The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.

³ The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.

⁴ The Office of International Cooperation & Development became part of the Foreign Agricultural Service (FAS) in June 1994. Data reported for FAS include funds appropriated to International Cooperation & Development programs within FAS as of fiscal year 1994.

⁵ In fiscal year 1991 Human Development Services was replaced by the Administration for Children & Families (ACF) and by the Administration on Aging (AoA). Beginning in fiscal year 1992, data shown for the ACF are separate from obligations for the AoA.

⁶ In fiscal year 1991 the Agency for Health Care Policy & Research became separate from the Office of the Assistant Secretary for Health.

⁷ Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.

⁸ As of fiscal year 1996, data for the National Biological Service (NBS) are included with the Geological Survey's submission, since NBS's funding comes from the Geological Survey's congressional appropriation.

⁹ The National Biological Service's (NBS) name changed from the National Biological Survey on Jan. 5, 1995. As of fiscal year 1994, NBS performs all biological research activities formerly funded by the United States Fish & Wildlife Service and the National Park Service.

¹⁰ Increases in outlays and obligations reported by the Department of State during the Vol. 44 survey cycle reflect reporting of monies received through interagency agreements with the Agency for International Development. The Department of State transfers these outlays and obligations to other R&D performers.

¹¹ Due to the reorganization of the Internal Revenue Service and subsequent unavailability of data, fiscal year 1992 figures are taken from estimates made in the Vol. 41 submission.

¹² Large changes in obligations reported by the Internal Revenue Service for Vol. 44 are due to shifts in research funding.

¹³ The United States Secret Service was formerly listed as the Office of Protective Research.

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: - = Amount less than 50 thousand dollars

NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

**Table C-98. Federal obligations for applied research, by selected agency:
fiscal years 1976-86**

[Dollars in millions]

Page 1 of 4

Selected agency	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Total, all agencies	4,851.9	5,255.5	5,908.2	6,342.3	6,923.2	7,171.5	7,540.6	7,993.4	7,911.4	8,314.7	8,349.1
Departments:											
Dept of Agriculture, total	270.9	319.6	351.8	375.5	381.8	426.9	435.7	455.5	442.2	465.6	463.5
Agricultural Cooperative Svc	NA	NA	NA	NA	1.6	1.7	1.7	2.1	2.2	2.9	2.6
Agricultural Marketing Svc ¹	0	0	0	4	1.0	9	1.0	1.1	1.2	1.3	1.3
Agricultural Research Svc	NA	NA	NA	NA	NA	181.5	186.2	202.6	183.7	191.8	188.3
Animal & Plant Health Inspection Service	NA	0	0	0	0	0	0	0	0	0	4.2
Cooperative State Rsch, Ed, & Extension Service	NA	NA	NA	NA	NA	115.5	127.7	133.5	136.2	142.8	137.4
Economic Research Service	NA	NA	NA	NA	NA	35.8	35.3	34.9	39.3	41.7	40.1
Economics, Statistics, & Cooperative Svc, total ²	22.7	25.9	28.8	29.1	NA	NA	NA	NA	NA	NA	NA
Economic Research Service	20.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Farmer Cooperative Service	1.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Statistical Reporting Svc	1.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Economics & Statistics Svc ³	NA	NA	NA	NA	24.5	NA	NA	NA	NA	NA	NA
Forest Service	51.9	59.4	69.8	71.1	72.3	81.8	69.0	65.1	63.9	65.7	67.5
Grain Inspection Packers & Stockyards Administration	0	0	0	0	0	0	0	0	0	8	6
Human Nutrition Information Service	NA	NA	NA	NA	NA	0	8.5	8.2	6.0	6.7	12.8
National Agricultural Statistics Service	0	NA	NA	NA	NA	7.5	4.7	5.1	5.5	5.6	5.4
Office of International Cooperation & Development	NA	NA	NA	0	2.6	1.9	1.2	2.5	3.9	5.8	2.9
Office of Transportation	NA	NA	NA	0	0	3	3	3	3	5	4
Science & Ed Admin, total	196.2	234.3	253.2	274.8	279.8	NA	NA	NA	NA	NA	NA
Agricultural Research Svc	125.9	155.4	161.3	172.7	170.8	NA	NA	NA	NA	NA	NA
Cooperative State Rsch Svc	70.3	78.9	91.9	102.1	109.0	NA	NA	NA	NA	NA	NA
Nat'l Agricultural Library	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Department of Commerce, total	144.7	163.8	181.0	207.6	238.5	233.2	259.2	265.6	276.1	301.0	312.9
Bureau of the Census	2.0	1.8	1.8	1.2	1.4	2.6	1.6	1.9	2.0	2.1	2.1
Economic Development Admin	4	1.5	3.2	8.0	2.2	1.6	1.6	4.8	5.1	2.0	2.3
Maritime Administration ⁴	3.8	2.5	4.3	10.2	10.1	NA	NA	NA	NA	NA	NA
Minority Business Dvlpmnt Agcy	4	5	0	0	0	0	0	0	0	0	0
National Fire Prevention & Control Administration ⁵	1.1	1.8	NA	NA	NA	NA	NA	NA	NA	NA	NA
National Institute of Standards & Technology	31.7	38.0	42.6	43.0	46.1	50.6	57.4	63.1	63.5	64.5	63.5
National Oceanic & Atmospheric Administration	104.9	115.8	127.9	142.7	168.8	168.5	188.5	188.9	197.7	224.4	237.5
National Telecommunications & Information Administration	NA	1.9	1.1	2.4	9.6	9.9	10.1	6.9	7.7	7.9	7.6
Office of the Secretary	0	0	0	1	2	0	0	0	-	1	0
Office of Telecommunications Patent & Trademark Office	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Patent & Trademark Office	2	0	0	0	0	0	0	0	0	0	0
Department of Defense, total	1,200.6	1,342.6	1,413.6	1,542.6	1,721.4	1,996.6	2,266.1	2,437.0	2,200.7	2,306.9	2,303.3
Department of the Army	281.0	299.0	305.7	333.6	347.1	388.4	451.6	485.3	486.7	582.6	578.8
Department of the Navy	308.3	343.6	354.2	375.2	396.2	460.0	498.4	521.6	449.6	448.2	447.1
Department of the Air Force	298.4	341.0	353.6	387.2	429.1	491.5	488.1	524.2	547.7	538.4	542.5
Defense Agencies	312.2	357.8	392.5	446.6	549.1	656.7	828.1	905.9	716.6	737.7	735.0
Defense Civil Preparedness Agency ⁶	7	1.3	7.5	NA	NA	NA	NA	NA	NA	NA	NA

See explanatory information, if any, and SOURCE at end of table.

**Table C-98. Federal obligations for applied research, by selected agency:
fiscal years 1976-86**

[Dollars in millions]

Page 2 of 4

Selected agency	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Department of Education ⁷	NA	NA	NA	72.8	70.0	0	56.3	61.9	68.7	77.3	91.3
Department of Energy ^{8, 9}	NA	501.8	661.7	668.9	754.2	827.3	1,053.9	1,193.4	1,194.5	1,198.4	1,080.7
Department of Health, Education, & Welfare, total	1,164.6	1,294.8	1,448.4	NA	NA	NA	NA	NA	NA	NA	NA
Alcohol, Drug Abuse, & Mental Health Administration	84.1	89.3	98.8	NA	NA	NA	NA	NA	NA	NA	NA
Center for Disease Control	49.6	55.3	60.1	NA	NA	NA	NA	NA	NA	NA	NA
Food & Drug Administration	37.1	42.9	64.1	NA	NA	NA	NA	NA	NA	NA	NA
Health Care Financing Admin	NA	30.0	19.4	NA	NA	NA	NA	NA	NA	NA	NA
Health Resources Admin	27.9	7.4	5.0	NA	NA	NA	NA	NA	NA	NA	NA
Health Services Admin	9.2	7.5	10.0	NA	NA	NA	NA	NA	NA	NA	NA
National Inst of Education	5.7	15.2	16.3	NA	NA	NA	NA	NA	NA	NA	NA
National Insts of Health	847.4	935.9	1,051.5	NA	NA	NA	NA	NA	NA	NA	NA
Office of Assistant Secretary for Education	1.0	1.0	1.3	NA	NA	NA	NA	NA	NA	NA	NA
Office of Assistant Secretary for Health	0	24.6	27.5	NA	NA	NA	NA	NA	NA	NA	NA
Office of Education	21.4	11.9	13.3	NA	NA	NA	NA	NA	NA	NA	NA
Office of Human Dvlpmt Svcs	34.6	46.5	42.9	NA	NA	NA	NA	NA	NA	NA	NA
Office of the Secretary	18.8	16.0	25.1	NA	NA	NA	NA	NA	NA	NA	NA
Social & Rehabilitation Svc	18.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Social Security Admin	9.1	11.2	12.9	NA	NA	NA	NA	NA	NA	NA	NA
Department of Health & Human Services, total	NA	NA	NA	1,439.7	1,570.1	1,591.9	1,460.9	1,545.4	1,651.5	1,795.8	1,850.8
Alcohol, Drug Abuse, & Mental Health Administration	NA	NA	NA	118.9	128.8	121.4	128.7	155.4	165.2	179.7	191.5
Centers for Disease Control & Prevention	NA	NA	NA	76.3	87.3	74.8	75.0	78.2	46.3	47.6	52.2
Food & Drug Administration	NA	NA	NA	61.0	75.4	71.4	73.0	74.2	77.8	82.1	79.4
Health Care Financing Admin	NA	NA	NA	31.8	45.7	38.6	29.1	30.2	33.1	33.5	29.0
Health Resources Admin	NA	NA	NA	4.9	5.1	5.0	NA	NA	NA	NA	NA
Hlth Resources & Svcs Admin	NA	NA	NA	NA	NA	NA	6.1	10.2	15.4	17.3	11.2
Health Services Admin	NA	NA	NA	8.2	6.0	6.4	NA	NA	NA	NA	NA
Human Development Services	NA	NA	NA	14.9	19.1	39.5	8.3	6.9	4.5	5.8	6.8
National Insts of Health	NA	NA	NA	1,066.4	1,145.1	1,181.5	1,103.8	1,165.2	1,285.6	1,410.1	1,469.0
Office of the Assistant Secretary for Health	NA	NA	NA	16.3	14.1	16.3	8.2	0	0	0	0
Office of the Secretary	NA	NA	NA	22.6	22.0	18.9	13.1	14.4	10.0	9.4	6.1
Social Security Admin	NA	NA	NA	18.3	21.4	18.0	15.5	10.8	13.5	10.4	5.6
Dept of Housing & Urban Dvlpmt	36.9	32.7	30.5	23.8	19.6	16.7	10.3	11.3	6.3	6.5	5.3
Dept of the Interior, total	205.1	192.4	217.6	266.9	282.8	289.2	275.0	254.7	254.3	231.0	234.9
Bonneville Power Admin ⁹	5	0	0	0	0	6.1	NA	NA	NA	NA	NA
Bureau of Land Management	7	8	1.0	1.1	1.3	1.5	2.4	2.0	1.8	2.8	2.1
Bureau of Mines	72.5	48.3	48.4	65.4	71.3	54.4	65.2	55.9	56.7	36.7	36.6
Bureau of Reclamation	7.9	9.2	10.4	11.3	12.7	13.3	8.9	8.7	8.8	10.9	9.6
Geological Survey ¹⁰	70.8	77.2	87.4	96.1	98.5	115.8	99.4	89.9	125.1	130.0	127.8
Heritage Conservation & Recreation Service	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Minerals Management Service	NA	NA	NA	NA	NA	NA	0	1.5	1.5	1.4	1.1
National Park Service	8.7	7.5	7.7	8.9	8.2	10.4	11.2	13.7	14.0	15.0	17.3
Office of the Secretary	1	1.4	0	0	0	0	0	0	0	0	0
Office of Surface Mining Reclamation & Enforcement	NA	0	2.2	5.0	7.5	5.8	1.5	1.5	8	2.0	2.3
Office of Water Rsch & Tech ¹⁰	10.4	9.4	10.8	13.2	11.8	8.2	6.8	8	3.2	NA	NA
US Fish & Wildlife Svc	33.7	38.6	49.7	65.9	71.4	73.9	79.6	80.6	42.3	32.2	38.1
Department of Justice, total	13.8	12.5	31.0	20.9	19.2	14.9	13.2	17.1	13.2	15.1	17.0
Bureau of Prisons	0	1	7	5	9	1.7	9	1.3	1.2	1.1	2.7
Drug Enforcement Admin	5	9	5	7	8	4	1.3	9	7	5	8
Immigration & Naturalization Service	1	1	2	1	2	1	3	3	3	2	2
Office of Justice Programs	13.2	11.3	28.6	18.0	16.1	12.0	10.3	14.4	11.0	13.0	13.2
Office of Legal Policy	0	0	1.1	1.6	1.3	7	4	2	0	3	2

See explanatory information, if any, and SOURCE at end of table

**Table C-98. Federal obligations for applied research, by selected agency:
fiscal years 1976-86**

[Dollars in millions]

Page 3 of 4

Selected agency	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Department of Labor, total	17.0	18.0	22.0	39.8	32.6	54.5	10.6	12.7	11.2	9.1	8.7
Bureau of Labor Statistics	8	9	8	9	9	3	3	7	5	6	6
Employment Standards Admin	4.3	4.4	3.7	5.3	4.9	3.2	1.4	1.4	9	-	0
Employment & Training Admin	6.9	5.8	11.4	24.2	16.2	45.1	2.1	2.6	1.0	3	2.6
Labor-Management Relations & Cooperative Programs ¹¹	NA	NA	NA	NA	NA	NA	NA	NA	3	3	2
Labor-Management Services Administration ¹¹	4	3.2	2.6	2.7	2.8	1.8	7	9	NA	NA	NA
Occupational Safety & Health Administration	2.9	3.4	1.3	5.1	6.3	3.0	4.9	5.3	5.1	4.5	3.6
Office of the Secretary	1.8	2	2.2	1.6	1.4	1.1	9	1.5	1.9	1.7	1.3
Pension Benefit Guaranty Corp	NA	NA	NA	NA	NA	1	3	3	3	2	1
Pension & Welfare Benefits Administration	NA	NA	NA	NA	NA	NA	NA	NA	1.2	1.6	3
Department of State, total ¹²	25.1	38.3	49.1	2.6	2.0	1.6	1.5	1.5	1.6	1.5	1.5
Agcy for Internat'l Dvlpmnt ¹²	24.0	36.2	46.6	NA	NA	NA	NA	NA	NA	NA	NA
Departmental Funds	1.1	2.1	2.5	2.6	2.0	1.6	0	0	0	0	0
Dept of Transportation, total	31.1	51.8	66.5	67.0	82.4	87.4	65.7	71.7	74.2	70.2	67.6
Coast Guard	2.6	2.5	2.3	10.9	8.1	14.7	1.7	8	7.2	5.4	3.5
Federal Aviation Admin	3.6	4.7	6.8	7.5	8.2	8.2	7.0	12.5	15.0	17.3	14.0
Federal Highway Admin	1.9	5.3	4.9	4.4	4.6	5.1	5.3	7.3	6.1	6.3	14.7
Federal Railroad Admin	8.6	6.6	9.2	7.5	7.9	6.2	3.1	2.8	12.3	11.4	12.5
Federal Transit Admin	6	1.0	1.1	1.1	8.9	9.3	19.4	18.3	1.0	5	0
Maritime Administration ⁴	NA	NA	NA	NA	NA	8.9	5.6	5.7	5.1	7.0	6.2
National Highway Traffic Safety Administration	9.9	27.5	38.0	30.0	38.6	29.4	21.3	21.4	24.7	20.9	16.1
Office of the Secretary	3.9	4.2	4.1	6	6	7	3	3	9	9	4
Rsch & Special Programs Administration	NA	0	1	5.0	5.5	4.9	2.1	2.6	1.8	5	3
Dept of the Treasury, total	1.5	2.1	4.1	4.5	4.0	2.9	5.9	6.7	6.6	13.6	12.7
Bureau of Alcohol, Tobacco, & Firearms	0	4	4	7	3	1	NA	NA	NA	NA	NA
Bureau of Engraving & Printing	1.5	1.7	1.9	6	1.3	9	2.8	1.4	1.4	3.1	2.7
Internal Revenue Service	0	0	1.8	3.3	2.2	1.8	3.1	5.0	4.9	10.2	9.5
United States Customs Svc	0	0	0	0	1	1	0	0	1	1	2
United States Secret Service	NA	NA	NA	NA	0	0	0	3	1	2	2
Department of Veterans Affairs	76.2	83.2	90.5	101.8	103.6	112.7	110.1	132.0	156.1	193.7	155.1
Other agencies											
ACTION	-	-	-	0	0	0	0	0	0	0	0
Advisory Commission on Intergovernmental Relations	1.0	1.5	1.7	1.7	2.2	2.2	2.0	2.1	2.1	2.4	2.1
Appalachian Regional Comm	7	6	3	7	6	3	3	2	4	2	2
Civil Service Commission	8	7	NA	NA	NA	NA	NA	NA	NA	NA	NA
Community Services Admin	0	1.0	2.0	1.8	1.3	1.9	NA	NA	NA	NA	NA
Consumer Product Safety Comm	3.5	3.7	9	1.8	1.6	2	1	3	1.1	1.4	1.1
Energy Rsch & Dvlpmnt Admin ⁸	400.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Environmental Protection Agcy	141.7	197.0	246.7	248.9	231.5	207.8	210.7	152.4	142.3	176.0	179.3
Federal Communications Comm	1.5	2.0	2.4	2.9	3.4	1.8	1.2	1.3	9	1.2	9
Federal Emergency Management Agency, total ⁵	NA	NA	1.9	6.7	6.7	6.4	7.8	3.3	6.1	2.9	0
National Fire Prevention & Control Administration ⁵	NA	NA	1.9	0	0	0	0	0	0	0	0
Federal Energy Administration	1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Federal Trade Commission	6	8	9	1.1	1.5	2	2	2	2	3	3
Foundation for Educational Assistance ⁷	NA	NA	NA	NA	NA	33.2	NA	NA	NA	NA	NA
General Services Admin ¹³	3	3	4	1	1	4	5	2	4	3	9

See explanatory information, if any, and SOURCE at end of table

**Table C-98. Federal obligations for applied research, by selected agency:
fiscal years 1976-86**

[Dollars in millions]

Page 4 of 4

Selected agency	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
International Development Cooperation Agcy, total ^{1,2}	NA	NA	NA	66.9	79.7	86.4	127.9	152.6	164.0	158.1	180.7
Agcy for Internat'l Dvlpmnt ²	NA	NA	NA	66.9	79.7	86.4	127.9	152.6	164.0	158.1	180.7
Interstate Commerce Comm	0.1	0.1	0.3	.2	.1	0	0	0	0	0	0
Library of Congress	.3	.3	.4	.5	.5	.7	.7	1.0	1.5	1.5	1.1
National Aeronautics & Space Administration	929.6	792.3	865.4	938.4	1,050.5	876.0	871.4	927.8	954.7	1,032.7	1,152.3
National Archives & Records Administration ³	NA	NA	NA	NA	NA	NA	NA	NA	NA	1	0
National Science Foundation	72.1	63.4	65.5	66.8	58.4	58.9	57.1	62.9	70.5	83.8	78.1
Nuclear Regulatory Commission	88.4	112.3	133.9	148.8	182.7	219.7	220.3	207.3	190.7	150.0	123.8
Office of Personnel Management	NA	NA	1.0	1.4	2.6	3.4	0	0	0	0	0
Office of Telecommunications Policy	1.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Office of Thrift Supervision	.8	1.7	1.0	.9	1.2	1.0	2.7	3.0	2.6	2.8	3.3
Small Business Administration	1	.5	0	0	0	0	0	0	0	0	0
Tennessee Valley Authority	16.5	19.3	9.7	12.4	11.2	9.4	8.1	6.7	9.2	8.9	10.5
United States Arms Control & Disarmament Agency	1.4	1.8	2.5	2.7	3.0	1.6	1.3	.8	1.2	1.1	.9
US Information Agency ⁴	.1	.1	.1	.1	.1	1.0	.0	-	1.4	.1	1.6
US Internat'l Trade Comm	1.5	2.6	3.1	3.4	2.1	3.4	3.8	4.7	5.0	5.8	6.9

¹ Although the Agricultural Marketing Service was established in April 1972, fiscal year 1979 was the first year in which Congress appropriated funds to this agency.

² Data reported for the Economics, Statistics, & Cooperative Service include programs of the Economic Research Service, the Statistical Reporting Service, and the Farmer Cooperative Service for fiscal years 1977-79.

³ Data reported for the Economics & Statistics Service include programs of the Economic Research Service and the Statistical Reporting Service for fiscal year 1980.

⁴ In 1981 the Maritime Administration moved from the Department of Commerce to the Department of Transportation.

⁵ Functions for the National Fire Prevention & Control Administration transferred from the Department of Commerce to the Federal Emergency Management Agency as of Apr. 1, 1979.

⁶ Functions for the Defense Civil Preparedness Agency transferred from the Department of Defense to the Federal Emergency Management Agency on July 20, 1979.

⁷ The 1983 Budget of the United States Government proposed that the Department of Education be replaced by the Foundation for Educational Assistance.

⁸ In 1977 the Energy Research & Development Administration became part of the Department of Energy.

⁹ In fiscal year 1982 the Bonneville Power Administration became part of the Department of Energy.

¹⁰ As of 1985 the Office of Water Research & Technology has been combined with the Geological Survey.

¹¹ In 1984 the Labor-Management Services Administration was replaced by Labor-Management Relations & Cooperative Programs.

¹² The Agency for International Development transferred from the Department of State to the International Development Cooperative Agency on Oct. 1, 1979.

¹³ As of 1985 the National Archives & Records Administration is separate from the General Services Administration.

¹⁴ Data reported for the United States Information Agency include funds for the former International Communication Agency for fiscal years 1977-81.

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: - = Amount less than 50 thousand dollars

NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

**Table C-98a. Federal obligations for applied research, by selected agency:
fiscal years 1987-97**

[Dollars in millions]

Page 1 of 4

Selected agency	1987	1988	1989	1990	1991	1992	1993	1994	1995	Preliminary	
										1996	1997
Total, all agencies	8,998.1	9,176.5	10,163.5	10,336.8	11,797.6	12,000.7	13,491.4	13,887.5	14,677.9	14,095.7	14,441.3
Departments:											
Dept of Agriculture, total	473.4	504.6	517.3	542.1	617.9	665.8	635.8	715.9	704.6	685.8	678.4
Agricultural Cooperative Svc	2.7	2.7	2.8	2.7	2.8	3.4	2.9	3.7	NA	NA	NA
Agricultural Marketing Svc ¹	1.2	1.3	1.3	1.7	3.7	4.1	4.1	4.2	4.2	4.2	4.3
Agricultural Research Svc ²	201.1	208.2	209.4	218.2	241.1	257.1	233.3	257.9	259.6	258.7	264.7
Animal & Plant Health Inspection Service	4.9	5.6	7.4	0	0	0	0	0	0	0	0
Cooperative State Rsch, Ed, & Extension Service ³	138.0	152.6	164.7	170.5	206.4	228.6	226.2	234.3	231.7	225.4	208.9
Economic Research Service	38.5	41.4	42.6	43.5	46.8	50.6	48.3	45.3	48.4	47.8	49.5
Foreign Agricultural Svc ⁴	0	0	0	0	0	0	0	2	1	4	4
Forest Service	73.5	79.9	77.5	93.5	103.6	106.9	107.8	156.5	154.8	142.4	143.8
Grain Inspection Packers & Stockyards Administration ⁵	7	6	8	2	7	1.5	1.8	1.8	1.5	2.8	2.8
Human Nutrition Information Service ²	6.8	8.2	8.4	9.0	9.9	10.7	8.4	7.0	NA	NA	NA
National Agricultural Statistics Service	2.3	2.4	1.9	1.9	2.2	2.4	2.6	2.6	2.7	2.6	2.6
Office of International Cooperation & Dvlpmnt ⁴	3.3	1.2	6	9	7	4	4	0	NA	NA	NA
Office of Transportation	4	4	NA	NA	NA	NA	NA	NA	NA	NA	NA
Rural Business-Cooperative Service ⁶	NA	NA	NA	NA	NA	NA	NA	2.4	1.6	1.4	1.4
Department of Commerce, total	312.8	311.5	321.9	345.6	415.4	561.4	544.9	678.2	853.1	860.5	829.8
Bureau of the Census	2.1	2.4	1.8	2.1	2.3	2.4	2.9	2.5	2.6	2.6	2.6
Economic Development Admin	5.0	4.2	1.0	1.2	1.4	5	0	6	5	5	1.5
National Institute of Standards & Technology	64.3	72.6	77.6	83.2	92.5	115.8	136.4	167.5	333.1	371.8	327.8
National Oceanic & Atmospheric Administration	234.4	225.0	234.6	252.4	315.6	438.7	401.4	502.7	510.4	481.2	493.1
National Telecommunications & Information Administration	7.0	7.3	6.9	6.8	3.6	4.0	4.2	4.8	6.4	4.5	4.7
Office of the Secretary	-	0	0	0	0	0	0	0	-	-	0
Department of Defense, total	2,440.0	2,362.2	2,708.2	2,581.6	2,723.8	2,974.5	3,515.2	3,040.0	3,069.8	2,814.3	2,715.8
Department of the Army	692.9	588.0	636.3	595.2	671.9	727.8	802.8	639.3	633.3	458.6	467.3
Department of the Navy	432.5	406.0	429.2	442.6	486.0	499.0	574.1	447.0	470.5	568.3	467.0
Department of the Air Force	563.2	576.7	604.6	579.3	621.2	584.7	669.1	571.9	627.7	648.1	638.6
Defense Agencies	751.3	791.5	1,038.1	964.6	944.7	1,162.9	1,469.2	1,381.7	1,338.3	1,139.2	1,142.9
Department of Education	103.8	106.6	117.5	125.3	123.1	119.5	128.3	131.2	132.8	138.2	139.8
Department of Energy	1,029.4	1,050.6	1,020.8	1,065.7	1,587.2	1,676.1	1,685.4	1,679.2	1,825.6	1,342.8	1,540.6

See explanatory information, if any, and SOURCE at end of table.

Table C-98a. Federal obligations for applied research, by selected agency:
fiscal years 1987-97

[Dollars in millions]

Page 2 of 4

Selected agency	1987	1988	1989	1990	1991	1992	1993	1994	1995	Preliminary	
										1996	1997
Department of Health & Human Services, total	2,194.0	2,415.6	2,700.4	2,818.1	3,112.4	2,886.8	3,495.9	3,852.5	4,014.9	4,083.1	4,209.9
Administration on Aging ⁷	NA	NA	NA	NA	2.9	2.5	2.7	3.5	3.0	0	0
Administration for Children & Families ^{8, 7}	NA	NA	NA	NA	13.5	34.3	18.5	10.4	11.2	8.3	17.5
Agency for Health Care Policy & Research ⁹	NA	NA	NA	44.2	93.0	97.8	105.6	141.2	124.0	59.0	77.0
Alcohol, Drug Abuse, & Mental Health Administration ¹⁰	241.1	286.6	384.7	415.0	463.9	NA	NA	NA	NA	NA	NA
Centers for Disease Control & Prevention	66.2	88.7	117.8	95.6	113.4	146.9	162.5	206.8	317.4	323.2	361.2
Food & Drug Administration	85.0	91.0	99.0	99.0	125.0	135.7	154.5	169.4	170.5	170.5	170.5
Health Care Financing Admin	27.3	28.2	49.1	49.1	69.1	75.5	68.2	80.0	74.5	54.5	55.3
Hlth Resources & Svcs Admin	8.0	9.0	9.3	10.7	9.5	8.8	8.5	9.8	11.2	11.0	10.9
Human Development Svcs ⁷	9.4	7.1	8.5	7.7	NA	NA	NA	NA	NA	NA	NA
National Insts of Health ¹⁰	1,739.1	1,885.6	2,008.5	2,074.1	2,193.5	2,341.3	2,942.9	3,197.4	3,273.6	3,447.7	3,508.5
Office of the Assistant Secretary for Health ⁹	0	0	0	5.8	9.6	6.0	0	0	0	0	0
Office of the Secretary	8.2	4.7	7.8	5.0	8.8	5.0	8.0	11.7	9.1	9.0	9.0
Social Security Admin ¹¹	9.8	14.7	15.8	11.8	10.2	33.0	24.5	22.2	20.4	NA	NA
Dept of Housing & Urban Dvlpmnt	5.5	6.3	6.1	6.6	9.4	8.8	8.1	13.7	14.2	12.2	16.7
Dept of the Interior, total	247.3	266.0	253.0	269.8	324.1	339.7	349.8	566.9	477.3	483.7	489.2
Bureau of Land Management	2.1	2.2	2.0	2.1	4.8	5.3	7.4	0	0	0	0
Bureau of Mines	39.6	54.1	49.3	49.3	56.2	59.2	60.4	70.0	0	NA	NA
Bureau of Reclamation	10.1	3.6	3.5	5.2	7.7	10.7	7.4	5.5	6.0	4.5	5.7
Geological Survey ¹²	131.7	135.8	126.8	134.2	159.3	164.3	165.9	311.9	306.2	439.1	442.6
Minerals Management Service	1.0	1.2	2.2	1.9	2.7	3.8	5.8	20.6	20.0	20.8	20.6
Natl Biological Svc ^{13, 12}	NA	NA	NA	NA	NA	NA	0	135.4	125.8	NA	NA
National Park Service ¹³	18.5	19.4	19.4	20.1	27.5	31.1	37.5	23.6	19.2	19.4	20.3
Office of the Secretary	0	1	0	0	1	2	2	0	0	0	0
Office of Surface Mining Reclamation & Enforcement	1.0	1.0	7	7	1.0	3	5	0	0	0	0
US Fish & Wildlife Svc ¹³	43.3	48.7	49.1	56.4	64.8	64.8	64.8	0	0	0	0
Department of Justice, total	11.8	9.8	10.7	11.1	14.7	15.0	20.5	20.0	17.7	18.9	22.8
Bureau of Prisons ¹⁴	2.2	2.1	2.1	1.8	1.9	2.5	2.5	2.1	3.2	1.9	1.9
Drug Enforcement Admin	7	6	5	4	9	1	1	1	0	1	1
Immigration & Naturalization Service	2	3	1	4	4	4	4	4	4	4	4
Office of Justice Programs	8.6	6.8	8.0	8.5	11.5	12.0	17.6	17.4	14.1	16.6	20.5
Office of Legal Policy	1	0	0	0	0	0	0	0	0	0	0
Department of Labor, total	19.0	26.4	21.8	21.3	24.0	23.6	13.4	13.7	16.6	13.2	12.5
Bureau of Labor Statistics	6.5	7.0	7.0	7.3	7.5	7.6	1.5	1.5	1.5	1.8	1.3
Employment Standards Admin	1.0	1	1	1	0	0	0	0	0	0	0
Employment & Training Admin	4.0	6.5	5.7	5.7	6.3	5.4	3.3	2.9	4.2	3.0	2.4
Labor-Management Relations & Cooperative Programs	3	4	3	NA	NA	NA	NA	NA	NA	NA	NA
Occupational Safety & Health Administration	4.1	4.2	4.5	2.5	2.6	3.1	2.5	3.3	4.4	3.2	3.5
Office of the Secretary	1.8	5.2	2.5	3.3	4.7	4.1	2.9	3.1	2.9	2.9	2.9
Pension Benefit Guaranty Corp	3	3	3	3	4	8	7	3	1	1	1
Pension & Welfare Benefits Administration	1.0	2.7	1.4	2.1	2.5	2.6	2.6	2.7	3.6	2.3	2.3
Department of State ¹⁵	3	1.0	1.3	1.2	1.3	7	5	4	5	5	5

See explanatory information, if any, and SOURCE at end of table.

**Table C-98a. Federal obligations for applied research, by selected agency:
fiscal years 1987-97**

[Dollars in millions]

Page 3 of 4

Selected agency	1987	1988	1989	1990	1991	1992	1993	1994	1995	Preliminary	
										1996	1997
Dept of Transportation, total	68.6	91.2	120.5	119.2	114.6	155.7	224.4	270.4	323.9	288.3	340.0
Coast Guard	3.7	5.4	4.6	5.1	6.4	5.0	8.2	5.6	4.9	5.0	4.9
Federal Aviation Admin	11.1	13.3	23.6	26.1	24.0	30.1	59.8	79.5	83.3	60.4	67.6
Federal Highway Admin	20.7	43.7	56.6	57.6	46.1	72.0	90.1	131.2	156.3	152.4	181.0
Federal Railroad Admin	10.4	8.2	7.5	8.5	13.2	18.9	20.9	16.1	22.5	19.9	23.5
Federal Transit Admin ¹⁶	0	0	0	0	0	0	10.9	7.8	10.9	5.5	5.8
Maritime Administration	3.1	5	0	9	1.7	1.8	1.7	1.7	2.5	0	2.0
National Highway Traffic Safety Administration	18.9	19.1	26.2	16.9	21.4	25.8	31.6	25.3	39.7	38.2	45.7
Office of the Secretary	4	7	1.3	1.7	6	7	6	6	6	0	0
Rsch & Special Programs Administration	2	4	7	2.4	1.4	1.4	5	2.6	3.2	6.9	9.5
Dept of the Treasury, total	12.7	11.1	13.0	15.3	20.6	17.2	4.6	9.2	48.9	50.2	53.9
Bureau of Engraving & Printing	2.7	1.1	9	1.4	2.7	1.8	3.2	1.6	1.3	1.2	1.1
Internal Revenue Svc ^{17 18}	9.7	9.0	11.3	13.1	13.9	13.9	0	6.1	45.8	47.2	50.8
Off of Thrift Supervision ¹⁹	NA	NA	NA	0	3.0	8	7	5	6	5	6
United States Customs Svc	2	7	4	4	5	2	1	5	7	7	7
US Secret Service ²⁰	1	3	4	5	4	5	6	5	5	6	6
Department of Veterans Affairs	173.1	178.8	197.1	199.4	177.7	185.2	194.1	209.1	206.4	239.4	222.5
Other agencies:											
Advisory Commission on Intergovernmental Relations	1.9	1.8	1.1	1.5	1.7	1.7	2.1	1.4	1.4	1.4	0
Appalachian Regional Comm	1	2	8	4	7	1.9	9	9	9	9	9
Consumer Product Safety Comm	6	1	5	4	9	8	8	1	0	0	0
Environmental Protection Agcy	246.1	240.7	222.6	241.6	261.9	293.9	272.4	301.0	331.3	286.3	335.5
Federal Communications Comm	1.0	1.2	1.1	1.3	1.4	1.6	1.6	1.7	2.3	2.8	2.7
Federal Trade Commission	5	4	4	5	1.0	1.3	9	7	6	1.0	1.0
General Services Admin	1.6	2.3	5	7	0	0	0	0	0	0	0
International Development Cooperation Agcy, total	151.2	132.1	216.0	300.2	351.7	294.2	350.8	214.4	270.4	224.3	167.9
Agcy for Internatl Dvlpm ¹⁵	151.2	132.1	216.0	300.2	351.7	294.2	350.8	214.4	270.4	224.3	167.9
Library of Congress	1.1	1.2	1.2	1.2	1.3	1.4	1.4	1.5	1.6	1.4	1.4
National Aeronautics & Space Administration	1,255.5	1,218.9	1,461.4	1,423.8	1,665.6	1,491.1	1,748.6	1,876.7	2,067.9	2,272.3	2,355.6
Nat'l Archives & Records Admin	3	3	1	1	3	1	1	1	1	1	1
National Science Foundation	99.3	99.6	107.8	103.3	109.0	126.9	138.1	169.7	176.0	174.0	189.3
Nuclear Regulatory Commission	122.5	108.5	114.8	108.8	108.8	119.0	119.8	90.7	88.2	59.2	59.0
Office of Thrift Supervision ¹⁹	3.4	3.4	4.1	4.1	NA	NA	NA	NA	NA	NA	NA
Social Security Admin ¹¹	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.3	27.7

See explanatory information, if any, and SOURCE at end of table.

**Table C-98a. Federal obligations for applied research, by selected agency:
fiscal years 1987-97**

[Dollars in millions]

Page 4 of 4

Selected agency	1987	1988	1989	1990	1991	1992	1993	1994	1995	Preliminary	
										1996	1997
Tennessee Valley Authority	13.8	15.3	11.7	17.0	16.9	22.2	18.1	17.0	17.4	19.3	14.2
United States Arms Control & Disarmament Agency ²¹	.4	.8	1.2	.2	.4	2.1	1.5	1.3	1.1	.5	1.0
US Information Agency	0	1	0	5	1	0	1.1	6	3	2	1
US Internat'l Trade Comm	7.2	8.1	8.7	9.1	9.9	12.3	12.2	9.4	12.2	12.7	12.5

- ¹ Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.
- ² The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.
- ³ The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.
- ⁴ The Office of International Cooperation & Development became part of the Foreign Agricultural Service (FAS) in June 1994. Data reported for FAS include funds appropriated to International Cooperation & Development programs within FAS as of fiscal year 1994.
- ⁵ The Federal Grain Inspection Service was abolished on Oct. 20, 1994, and its functions were assumed by the Grain Inspection Packers & Stockyards Administration.
- ⁶ This agency's name changed from the Rural Business & Cooperative Development Service to the Rural Business-Cooperative Service on Jan. 30, 1996.
- ⁷ In fiscal year 1991 Human Development Services was replaced by the Administration for Children & Families (ACF) and by the Administration on Aging (AoA). Beginning in fiscal year 1992, data shown for the ACF are separate from obligations for the AoA.
- ⁸ Obligations reported for the Administration for Children & Families may be incomplete for fiscal year 1992 due to unavailability of data.
- ⁹ In fiscal year 1991 the Agency for Health Care Policy & Research became separate from the Office of the Assistant Secretary for Health.
- ¹⁰ Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.
- ¹¹ As of Mar. 31, 1995, the Social Security Administration became an independent agency; it is no longer part of the Department of Health & Human Services.
- ¹² As of fiscal year 1996, data for the National Biological Service (NBS) are included with the Geological Survey's submission, since NBS's funding comes from the Geological Survey's congressional appropriation.
- ¹³ The National Biological Service's (NBS) name changed from the National Biological Survey on Jan. 5, 1995. As of fiscal year 1994, NBS performs all biological research activities formerly funded by the United States Fish & Wildlife Service and the National Park Service.
- ¹⁴ The Bureau of Prisons was formerly listed as the Federal Prison System.
- ¹⁵ Increases in outlays and obligations reported by the Department of State during the Vol. 44 survey cycle reflect reporting of monies received through interagency agreements with the Agency for International Development. The Department of State transfers these outlays and obligations to other R&D performers.
- ¹⁶ The name of this agency changed from the Urban Mass Transit Administration to the Federal Transit Administration on Dec. 18, 1991.
- ¹⁷ Due to the reorganization of the Internal Revenue Service and subsequent unavailability of data, fiscal year 1992 figures are taken from estimates made in the Vol. 41 submission.
- ¹⁸ Large changes in obligations reported by the Internal Revenue Service for Vol. 44 are due to shifts in research funding.
- ¹⁹ In 1989 the Federal Home Loan Bank Board was replaced by the Office of Thrift Supervision. In 1990 the Office of Thrift Supervision became part of the Department of the Treasury.
- ²⁰ The United States Secret Service was formerly listed as the Office of Protective Research.
- ²¹ Fiscal year 1994 figures for the United States Arms Control & Disarmament Agency are estimates based on the agency's Vol. 43 submission.

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: - = Amount less than 50 thousand dollars
NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

SOURCE: National Science Foundation SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

**Table C-99. Federal obligations for development, by selected agency:
fiscal years 1976-86**

[Dollars in millions]

Page 1 of 3

Selected agency	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Total, all agencies	13,160.3	14,936.3	16,238.4	17,610.1	18,233.1	20,891.1	23,410.4	24,458.0	27,246.1	32,226.1	34,910.2
Departments:											
Dept of Agriculture, total	20.2	22.9	26.8	31.1	30.2	33.0	30.8	30.0	31.3	32.0	32.1
Agricultural Marketing Svc ¹	0	0	0	5	3	2	2	3	3	3	3
Agricultural Research Svc	NA	NA	NA	NA	NA	26.2	25.8	25.5	27.0	27.7	27.4
Economics, Statistics, & Cooperative Svc, total ²	3	8	0	0	NA	NA	NA	NA	NA	NA	NA
Statistical Reporting Svc	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Forest Service	5.4	4.2	5.0	5.0	5.5	6.2	4.5	3.8	3.3	3.3	3.6
Grain Inspection Packers & Stockyards Administration	0	0	0	0	0	0	0	0	0	2	3
Office of International Cooperation & Development	NA	NA	NA	0	4	3	2	4	7	4	3
Office of Transportation	NA	NA	NA	7	8	1	1	1	1	2	1
Science & Ed Admin, total	14.5	18.0	21.8	24.9	23.3	NA	NA	NA	NA	NA	NA
Agricultural Research Svc	14.5	18.0	21.8	24.9	23.3	NA	NA	NA	NA	NA	NA
Department of Commerce, total	73.1	68.6	90.9	89.9	88.1	78.6	60.2	50.2	61.5	74.6	59.7
Bureau of the Census	4	6	1.1	1.2	1.2	9	1.9	2.1	2.1	2.4	2.1
Economic Development Admin	13.0	12.5	32.6	34.6	29.8	26.3	8.0	0	0	11.0	8.0
Maritime Administration ³	14.0	11.1	12.6	7.4	7.3	NA	NA	NA	NA	NA	NA
Minority Business Dvlpmt Agcy	1.6	2.7	0	0	0	0	0	0	0	0	0
National Fire Prevention & Control Administration ⁴	3.2	2.1	NA	NA	NA	NA	NA	NA	NA	NA	NA
National Institute of Standards & Technology	9.9	8.3	9.8	16.0	17.3	16.3	14.9	13.6	11.8	14.0	11.6
National Oceanic & Atmospheric Administration	30.2	29.9	33.5	28.5	30.9	32.9	33.5	33.1	46.6	45.4	37.2
National Telecommunications & Information Administration	NA	9	7	1.7	1.1	1.1	1.2	1.4	9	1.2	8
Office of the Secretary	0	0	0	0	0	0	0	0	1	6	0
Office of Telecommunications Patent & Trademark Office	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2	5	5	5	5	1.1	7	0	0	0	0
Department of Defense, total	8,127.2	9,247.5	9,729.6	10,492.1	11,719.2	13,907.7	17,669.8	19,770.1	22,324.3	26,623.2	29,710.7
Department of the Army	1,651.3	2,043.9	2,139.1	2,320.1	2,500.7	2,707.7	3,121.3	3,304.5	3,516.8	3,747.4	3,982.1
Department of the Navy	2,890.1	3,320.0	3,472.1	3,767.7	4,095.0	4,308.0	5,066.4	5,241.2	6,840.2	8,336.1	8,865.9
Department of the Air Force	3,344.3	3,605.3	3,813.6	4,033.4	4,673.7	6,351.9	8,724.0	10,124.2	11,351.5	12,524.3	12,834.8
Defense Agencies	217.5	248.0	276.2	341.7	411.9	499.1	717.1	1,038.7	557.3	1,964.8	3,910.7
Test & Evaluation, Deputy Under Secretary of Defense	24.1	30.2	28.6	29.3	37.9	41.1	41.0	61.6	58.6	50.6	117.1
Department of Education ⁵	NA	NA	NA	72.9	51.8	0	57.5	35.6	34.8	33.0	25.5
Department of Energy ^{6, 7}	NA	2,645.0	3,142.6	3,506.9	3,476.4	3,504.6	3,012.1	2,575.6	2,648.7	2,825.0	2,648.0
Department of Health, Education, & Welfare, total	432.8	409.0	466.5	NA	NA	NA	NA	NA	NA	NA	NA
Alcohol, Drug Abuse, & Mental Health Administration	2.8	1.0	1.4	NA	NA	NA	NA	NA	NA	NA	NA
Health Resources Admin	7.2	0	5	NA	NA	NA	NA	NA	NA	NA	NA
Health Services Admin	8.0	8.1	7.6	NA	NA	NA	NA	NA	NA	NA	NA
National Inst of Education	52.9	37.8	54.9	NA	NA	NA	NA	NA	NA	NA	NA
National Insts of Health	292.6	311.2	348.3	NA	NA	NA	NA	NA	NA	NA	NA
Office of Assistant Secretary for Health	0	3.6	3.6	NA	NA	NA	NA	NA	NA	NA	NA
Office of Education	36.8	19.2	19.6	NA	NA	NA	NA	NA	NA	NA	NA
Office of Human Dvlpmt Svcs	27.3	28.1	30.7	NA	NA	NA	NA	NA	NA	NA	NA
Social Security Admin	5.3	0	0	NA	NA	NA	NA	NA	NA	NA	NA

See explanatory information, if any, and SOURCE at end of table

Table C-99. Federal obligations for development, by selected agency:
fiscal years 1976-86

[Dollars in millions]

Page 2 of 3

Selected agency	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Department of Health & Human Services, total	NA	NA	NA	489.2	447.4	434.9	335.2	331.7	364.7	422.7	468.0
Alcohol, Drug Abuse, & Mental Health Administration	NA	NA	NA	7	0	1.8	2.1	1.8	1.2	1.1	1.2
Hlt Resources & Svcs Admin	NA	NA	NA	NA	NA	NA	3.4	2.3	2.3	1.5	0
Health Services Admin	NA	NA	NA	18.5	18.7	10.1	NA	NA	NA	NA	NA
Human Development Services	NA	NA	NA	42.2	30.1	33.8	18.5	16.6	13.8	18.5	47.8
National Insts of Health	NA	NA	NA	423.0	394.4	384.9	308.7	311.0	347.0	399.6	417.5
Office of the Assistant Secretary for Health	NA	NA	NA	4.7	4.2	4.3	2.2	0	0	1.7	1.5
Office of the Secretary	NA	NA	NA	0	0	0	3	0	4	2	0
Dept of Housing & Urban Dvlpmnt	30.6	19.4	39.2	44.1	36.4	31.4	18.5	20.8	11.9	12.0	10.1
Dept of the Interior, total	73.7	58.7	75.5	66.3	56.8	57.3	29.6	24.8	30.7	22.4	17.3
Bonneville Power Admin ¹	6.5	0	0	0	0	7.7	NA	NA	NA	NA	NA
Bureau of Land Management	1	1	2	2	3	4	2.9	1.9	2.0	1.6	1.3
Bureau of Mines	58.0	49.6	57.0	41.9	30.6	28.7	13.6	9.2	11.6	3.3	2.8
Bureau of Reclamation	.4	6	6	8	1.2	9	1.1	1.2	1.4	2.0	5
Geological Survey ²	0	0	0	5	5	5	5	2.3	4.9	4.4	7.4
National Park Service	0	3	0	0	0	0	0	0	0	0	0
Office of Water Rsch & Tech ³	5.1	2.8	12.0	9.4	10.9	5.3	1.3	1.0	0	NA	NA
US Fish & Wildlife Svc	3.7	5.4	5.7	13.5	13.4	13.7	10.3	9.2	10.8	11.1	5.3
Department of Justice, total	15.5	10.1	15.2	14.1	12.7	7.0	10.4	10.7	6.6	16.7	14.1
Bureau of Prisons	.8	1.0	2.9	2.9	1.3	9	7	4	4	4	3
Drug Enforcement Admin	2.0	2.1	1.4	1.7	1.9	9	1.9	1.6	1.2	1.1	1.7
Federal Bureau of Investigation	1.2	1.4	1.8	3.1	1.4	7	2.7	2.5	1.0	9.5	7.2
Immigration & Naturalization Service	0	1	2	1	2	1	4	3	3	2	2
Office of Justice Programs	11.5	5.4	8.3	6.3	7.5	4.4	4.6	5.8	3.8	5.5	4.7
Office of Legal Policy	0	0	6		5	1		1	0	0	0
Department of Labor, total	10.5	10.8	72.1	94.9	101.6	4.0	8.3	1.9	0	9	9
Bureau of Labor Statistics	5	5	5	0	0	0	0	0	0	0	0
Employment & Training Admin	10.0	10.4	71.7	94.9	101.6	3.6	7.4	1.1	0	0	0
Office of the Secretary	0	0	0	0	0	0	0	0	0	9	9
Pension Benefit Guaranty Corp	NA	NA	NA	NA	NA	4	8	8	0	0	0
Department of State, total ⁴	14.2	23.1	36.1	5	3	2	0	0	0	0	0
Agcy for Internatl Dvlpmnt ⁵	13.8	22.9	35.7	NA	NA	NA	NA	NA	NA	NA	NA
Departmental Funds	5	2	4	5	3	2	0	0	0	0	0
Dept of Transportation, total	263.4	302.8	341.8	303.1	278.8	327.0	243.4	275.1	370.6	357.6	317.3
Coast Guard	9.8	16.4	21.4	10.2	9.9	11.3	18.3	18.4	12.2	13.6	13.4
Federal Aviation Admin	94.5	98.7	103.7	103.0	94.9	111.8	87.3	113.7	251.2	269.0	246.6
Federal Highway Admin	27.0	50.2	46.8	48.5	46.5	46.1	35.0	43.1	40.3	42.6	30.8
Federal Railroad Admin	41.8	35.3	44.7	36.7	38.3	30.4	15.1	13.7	6.9	3.6	2.9
Federal Transp Admin	46.9	58.9	68.5	56.9	45.5	68.9	42.0	38.6	19.1	9.7	8.2
Maritime Administration ³	NA	NA	NA	NA	NA	4.7	4.5	8.8	1.3	5.9	2.6
National Highway Traffic Safety Administration	21.5	19.5	28.3	26.6	24.9	36.5	34.1	30.6	32.2	7.2	6.3
Office of the Secretary	21.9	23.8	27.6	11.1	10.2	9.4	3.0	4.6	4.0	3.9	4.7
Rsch & Special Programs Administration	NA	0	8	10.0	8.5	7.9	4.0	3.6	3.5	2.2	1.7
Dept of the Treasury, total	2.3	2.7	5.8	4.8	6.3	6.1	5.2	5.4	3.3	6.0	6.3
Bureau of Alcohol, Tobacco, & Firearms	0	7	1.6	1.9	1.2	2	NA	NA	NA	NA	NA
Bureau of Engraving & Printing	1.3	.8	1.8	1.5	1.0	1.8	2.0	1.8	1.3	1.6	1.1
Internal Revenue Service	0	0	6	7	1	1	1	1	2	1.3	1
United States Customs Svc	1.0	1.2	1.8	1.3	3.7	3.4	3.1	3.3	1.7	2.1	4.6
United States Mint	0	0	0	0	0	0	0	0	0	6	3
United States Secret Service	NA	NA	NA	NA	4	6	0	1	5		
Department of Veterans Affairs	12.6	14.7	14.6	15.6	15.5	16.7	14.3	15.3	18.4	17.5	16.3

See explanatory information, if any, and SOURCE at end of table

**Table C-99. Federal obligations for development, by selected agency:
fiscal years 1976-86**

[Dollars in millions]

Page 3 of 3

Selected agency	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Other agencies											
ACTION	0	4	1.4	1.6	0	0	0	0	0	0	0
Appalachian Regional Comm	0	1	1	2	2	1	1	0	1	0	0
Civil Service Commission	2.9	2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA
Community Services Admin	10.2	23.0	22.3	18.9	29.1	16.4	NA	NA	NA	NA	NA
Consumer Product Safety Comm	2.1	3.0	2.9	2.1	1.9	.3	1	2	.2	1.0	.9
Energy Rsch & Dvlpmt Admin ⁶	1,717.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Environmental Protection Agcy	103.7	90.2	132.0	151.1	99.9	107.4	91.7	66.1	89.2	105.8	99.5
Federal Emergency Management Agency, total ¹⁰	NA	NA	2.2	2.9	2.5	2.5	0	0	5.4	1.2	0
National Fire Prevention & Control Administration ⁴	NA	NA	2.2	0	0	0	0	0	0	0	0
Federal Energy Administration	1.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Foundation for Educational Assistance ⁵	NA	NA	NA	NA	NA	51.1	NA	NA	NA	NA	NA
General Services Admin ¹¹	7	5	5	3	1	2	5	3	2.0	0	3
International Development Cooperation Agcy, total ⁹	NA	NA	NA	39.6	69.7	47.8	72.0	70.6	70.3	60.5	66.2
Agcy for Internat'l Dvlpmt ⁹	NA	NA	NA	39.6	69.7	47.8	72.0	70.6	70.3	60.5	66.2
Library of Congress	2.5	3.4	4.4	5.3	6.3	4.0	4.9	6.0	5.4	5.0	5.0
National Aeronautics & Space Administration	2,224.0	1,964.7	1,988.1	2,127.2	1,624.4	2,186.0	1,670.7	1,116.8	1,112.7	1,543.6	1,350.8
National Archives & Records Administration ¹¹	NA	NA	NA	NA	NA	NA	NA	NA	NA	3	1.0
National Science Foundation	13.5	8.7	5.3	7.9	8.1	6.1	2.2	0	0	0	0
Office of Personnel Management	NA	NA	3.5	4.6	4.2	5.0	0	0	0	0	0
Office of Telecommunications Policy	2.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tennessee Valley Authority	2.2	3.6	18.0	21.9	64.3	54.7	72.3	50.7	53.8	65.1	59.8
United States Arms Control & Disarmament Agency		4	1.2	8	8	8	6	1	2	0	1
US Information Agency ¹²						3	1	0	0	0	4

¹ Although the Agricultural Marketing Service was established in April 1972, fiscal year 1979 was the first year in which Congress appropriated funds to this agency.

² Data reported for the Economics, Statistics, & Cooperative Service include programs of the Economic Research Service, the Statistical Reporting Service, and the Farmer Cooperative Service for fiscal years 1977-79.

³ In 1981 the Maritime Administration moved from the Department of Commerce to the Department of Transportation.

⁴ Functions for the National Fire Prevention & Control Administration transferred from the Department of Commerce to the Federal Emergency Management Agency as of Apr. 1, 1979.

⁵ The 1983 Budget of the United States Government proposed that the Department of Education be replaced by the Foundation for Educational Assistance.

⁶ In 1977 the Energy Research & Development Administration became part of the Department of Energy.

⁷ In fiscal year 1982 the Bonneville Power Administration became part of the Department of Energy.

⁸ As of 1985 the Office of Water Research & Technology has been combined with the Geological Survey.

⁹ The Agency for International Development transferred from the Department of State to the International Development Cooperative Agency on Oct. 1, 1979.

¹⁰ Functions for the Defense Civil Preparedness Agency transferred from the Department of Defense to the Federal Emergency Management Agency on July 20, 1979.

¹¹ As of 1985 the National Archives & Records Administration is separate from the General Services Administration.

¹² Data reported for the United States Information Agency include funds for the former International Communication Agency for fiscal years 1977-81.

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

Beginning with Vol. 44, Department of Defense development obligations are reported in two categories: advanced technology and major systems.

KEY: = Amount less than 50 thousand dollars.

NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year).

SOURCE: National Science Foundation SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997.

BEST COPY AVAILABLE

**Table C-99a. Federal obligations for development, by selected agency:
fiscal years 1987-97**

[Dollars in millions]

Page 1 of 3

Selected agency	1987	1988	1989	1990	1991	1992	1993	1994	1995	Preliminary	
										1996	1997
Total, all agencies	37,313.2	38,119.3	40,641.0	41,937.1	37,326.8	41,102.0	40,423.5	39,815.4	40,181.4	40,499.2	38,890.2
Departments:											
Dept of Agriculture, total	29.0	31.4	36.1	47.1	61.2	66.1	76.1	77.4	80.2	80.2	82.3
Agricultural Marketing Svc ¹	3	3	3	4	5	6	6	6	6	6	6
Agricultural Research Svc ²	24.0	26.3	31.4	33.3	40.2	43.9	52.8	54.3	54.7	54.5	55.7
Animal & Plant Health											
Inspection Service	0	0	0	8.0	15.7	16.7	17.1	19.2	19.1	19.7	20.6
Forest Service	3.8	4.0	3.9	4.8	4.5	4.9	5.5	3.3	5.8	5.3	5.4
Grain Inspection Packers & Stockyards Administration ³	5	4	3	4	1	0	0	0	0	0	0
Office of International Cooperation & Dvlpmnt ⁴	3	2	1	2	2	0	0	0	NA	NA	NA
Office of Transportation	1	1	NA	NA	NA	NA	NA	NA	NA	NA	NA
Department of Commerce, total	63.7	46.6	46.9	61.2	39.9	55.3	74.2	107.8	243.7	274.6	227.3
Bureau of the Census	1.9	1.9	2.0	2.0	1.9	2.0	2.1	2.0	1.9	4.2	4.2
National Institute of Standards & Technology	9.3	9.1	10.0	10.5	15.6	29.6	34.3	45.9	191.2	222.7	175.4
National Oceanic & Atmospheric Administration	51.7	34.8	34.1	47.7	22.4	23.7	37.8	59.9	50.6	47.7	47.6
National Telecommunications & Information Administration	8	8	9	9	0	0	0	0	0	0	0
Department of Defense, total	31,884.0	32,009.7	33,920.8	33,738.9	28,416.9	32,056.1	31,065.7	30,303.8	30,028.1	30,335.9	29,102.8
Department of the Army	4,109.6	4,052.3	4,835.9	4,903.8	5,221.0	5,921.5	5,190.5	4,721.5	4,567.2	4,184.3	3,701.2
Department of the Navy	8,721.1	8,766.2	8,882.9	8,778.6	6,932.0	7,138.0	8,106.8	8,081.9	8,083.3	7,862.5	6,727.8
Department of the Air Force	14,562.9	14,094.2	14,430.0	14,055.1	10,107.1	12,636.6	11,747.5	11,713.1	10,963.4	11,214.3	12,487.2
Defense Agencies	4,353.5	4,868.4	5,616.8	5,780.2	5,919.4	6,114.4	5,766.0	5,544.3	6,161.5	6,823.9	5,913.5
Operational Test & Evaluation, Director	8.4	68.2	14.4	32.6	13.6	12.4	12.3	11.2	21.7	23.0	22.0
Test & Evaluation, Deputy Under Secretary of Defense	128.5	160.3	140.7	188.7	223.7	233.2	242.5	231.8	231.0	227.8	251.0
Department of Education	25.6	29.7	37.2	39.7	39.4	41.5	44.1	39.9	39.3	40.1	45.4
Department of Energy	2,659.4	2,801.0	2,760.9	3,060.1	2,709.5	2,759.7	2,821.9	2,765.5	2,685.0	2,376.4	2,320.1
Department of Health & Human Services, total	584.3	661.1	814.4	938.5	1,593.5	1,042.3	1,156.6	1,285.1	1,379.3	1,389.6	1,416.7
Administration on Aging ⁵	NA	NA	NA	NA	17.7	17.8	18.2	15.6	17.7	3.5	3.2
Administration for Children & Families ⁶	NA	NA	NA	NA	115.5	4.8	1.4	9	8	7	1.5
Agency for Health Care Policy & Research ⁷	NA	NA	NA	5.5	8.1	8.5	9.2	12.4	11.3	6.2	7.0
Alcohol, Drug Abuse, & Mental Health Administration ⁸	2.2	2.4	3.0	41.5	537.6	NA	NA	NA	NA	NA	NA
Hlth Resources & Svcs Admin	0	0	0	0	0	0	0	5.8	1.0	1.3	0
Human Development Svcs ⁵	43.6	46.8	93.2	87.7	NA	NA	NA	NA	NA	NA	NA
National Insts of Health ⁶	536.2	610.2	716.5	800.7	912.5	1,010.5	1,126.6	1,249.6	1,348.2	1,377.4	1,404.5
Office of the Assistant Secretary for Health ⁷	2.3	1.6	1.7	1.1	4	7	1.2	8	3	5	6
Social Security Admin ⁹	0	0	0	2.1	1.7	0	0	0	0	NA	NA

See explanatory information, if any, and SOURCE at end of table.

**Table C-99a. Federal obligations for development, by selected agency:
fiscal years 1987-97**

[Dollars in millions]

Page 2 of 3

Selected agency	1987	1988	1989	1990	1991	1992	1993	1994	1995	Preliminary	
										1996	1997
Dept of Housing & Urban Dvlpmnt	10.8	12.1	11.9	12.7	18.4	16.3	15.5	25.9	27.7	22.8	28.8
Dept of the Interior, total	21.7	24.3	27.1	33.3	39.5	38.6	39.0	43.9	29.2	25.5	27.4
Bureau of Land Management	1.6	1.5	1.0	7	2.8	4	9	0	0	0	0
Bureau of Mines	3.6	5.2	5.4	9.4	7.1	4.2	6.9	12.5	0	NA	NA
Bureau of Reclamation	5	7	6	5	9	2.5	2.8	1.8	2.0	1.5	1.9
Geological Survey ¹⁰	10.3	10.9	12.9	15.1	18.2	16.9	12.8	15.7	14.1	24.0	25.4
Nat'l Biological Svc ¹¹	NA	NA	NA	NA	NA	NA	0	13.8	13.0	NA	NA
Office of the Secretary	0	3	4	2	5	7	2	1	-	-	0
US Fish & Wildlife Svc ¹¹	5.7	5.7	6.7	7.4	10.0	13.9	15.3	0	0	0	0
Department of Justice, total	22.5	25.7	20.6	20.6	27.8	27.7	23.3	19.2	32.1	53.7	58.5
Bureau of Prisons ¹²	4.9	3.9	3.0	2.7	3.3	3.4	3.6	3.3	2.5	2.8	2.8
Drug Enforcement Admin	1.5	1.9	2.2	2.0	1.8	1.3	8	8	4	1.2	5
Federal Bureau of Investigation	8.0	12.7	7.7	8.2	10.8	10.9	11.3	7.0	10.9	36.8	34.8
Immigration & Naturalization Service	2	0	0	0	0	0	0	0	0	0	0
Office of Justice Programs	7.9	7.1	7.8	7.7	11.9	12.1	7.5	8.1	18.3	12.9	20.4
Department of Labor, total	1.2	8.9	13.3	51.4	19.7	27.9	36.1	40.1	25.5	21.9	19.2
Employment & Training Admin	3	8.0	9.7	47.4	15.5	26.1	32.5	36.9	21.4	17.8	14.9
Office of the Secretary	9	9	3.6	3.8	4.0	1.7	3.0	2.2	3.4	3.5	3.6
Pension Benefit Guaranty Corp	0	0	0	2	2	1	6	1.0	7	6	6
Dept of Transportation, total	256.2	213.4	182.9	247.4	265.3	288.1	319.3	347.4	356.2	307.4	311.4
Coast Guard	13.3	15.7	13.3	15.2	19.2	15.0	24.7	16.7	14.8	15.0	14.8
Federal Aviation Admin	156.2	147.3	123.2	189.9	196.2	206.1	189.1	206.1	205.1	157.3	156.1
Federal Highway Admin	56.0	30.4	34.4	33.8	40.8	57.0	83.1	101.5	109.4	106.7	126.7
Federal Railroad Admin	8	1.8	1.5	1.7	2.7	3.9	4.3	3.4	4.0	10.4	7
Federal Transit Admin ¹³	12.6	2.3	1.4	1.6	1.7	1.7	13.3	12.1	17.9	10.5	8.8
Maritime Administration	2.5	0	0	0	0	0	0	0	0	0	0
National Highway Traffic Safety Administration	9.0	9.2	3.5	0	0	0	0	0	0	0	0
Office of the Secretary	4.1	5.0	4.2	5.1	3.7	3.4	3.9	4.9	3.3	2.9	2.8
Rsch & Special Programs Administration	1.8	1.7	1.3	0	1.0	1.1	8	2.7	1.8	4.6	1.4
Dept of the Treasury, total	9.5	10.2	9.3	6.9	6.7	3.8	5.5	9.8	12.4	13.4	10.5
Bureau of Engraving & Printing	1.7	8	3	7	8	2	0	1	5	9	8
Financial Crimes Enforcement Network	0	0	0	0	2.3	1.2	1.5	0	0	0	0
Internal Revenue Svc ¹⁴	4	7	3	3	4	4	0	5.2	3.9	3.4	3.5
United States Customs Svc	6.8	8.5	6.4	5.8	3.2	2.0	3.9	4.0	7.7	8.8	5.7
United States Mint	2	1	2.0	1	1	0	1	5	3	2	4
US Secret Service ¹⁶	3	0	2	0	0	0	0	0	0	0	0
Department of Veterans Affairs	19.2	19.2	21.0	22.1	22.8	23.0	28.7	24.5	19.1	22.4	21.8

See explanatory information, if any, and SOURCE at end of table

**Table C-99a. Federal obligations for development, by selected agency:
fiscal years 1987-97**

[Dollars in millions]

Page 3 of 3

Selected agency	1987	1988	1989	1990	1991	1992	1993	1994	1995	Preliminary	
										1996	1997
Other agencies:											
Consumer Product Safety Comm	1.6	.9	.8	.7	.4	.3	.4	.2	.4	-	0
Environmental Protection Agcy	71.0	79.5	107.0	104.5	79.5	79.6	133.7	151.2	149.9	104.9	170.4
International Development											
Cooperation Agcy, total	63.5	69.3	60.0	29.3	20.4	65.9	23.0	38.1	29.8	19.8	14.1
Agcy for Internat'l Dvlpmt ¹⁷	63.5	69.3	60.0	29.3	20.4	65.9	23.0	38.1	29.8	19.8	14.1
Library of Congress	5.0	5.5	6.4	7.0	7.3	8.5	8.7	8.1	8.0	6.5	7.2
National Aeronautics & Space											
Administration	1,517.8	1,998.8	2,514.7	3,472.6	3,909.1	4,428.3	4,471.1	4,455.7	4,968.9	5,332.1	4,963.6
Nat'l Archives & Records Admin	4	2	1	1	1	1	0	0	0	0	0
Tennessee Valley Authority	60.2	68.8	48.0	43.2	49.5	72.9	80.6	71.9	66.7	72.2	62.8
United States Arms Control &											
Disarmament Agency ¹⁸	3.2	2.6	1.6	0	0	0	0	0	0	0	0
US Information Agency	3.5	.3	1	0	0	0	0	0	0	0	0

- 1 Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.
- 2 The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.
- 3 The Federal Grain Inspection Service was abolished on Oct. 20, 1994, and its functions were assumed by the Grain Inspection Packers & Stockyards Administration.
- 4 The Office of International Cooperation & Development became part of the Foreign Agricultural Service (FAS) in June 1994. Data reported for FAS include funds appropriated to International Cooperation & Development programs within FAS as of fiscal year 1994.
- 5 In fiscal year 1991 Human Development Services was replaced by the Administration for Children & Families (ACF) and by the Administration on Aging (AoA). Beginning in fiscal year 1992, data shown for the ACF are separate from obligations for the AoA.
- 6 Obligations reported for the Administration for Children & Families may be incomplete for fiscal year 1992 due to unavailability of data.
- 7 In fiscal year 1991 the Agency for Health Care Policy & Research became separate from the Office of the Assistant Secretary for Health.
- 8 Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.
- 9 As of Mar. 31, 1995, the Social Security Administration became an independent agency; it is no longer part of the Department of Health & Human Services.
- 10 As of fiscal year 1996, data for the National Biological Service (NBS) are included with the Geological Survey's submission, since NBS's funding comes from the Geological Survey's congressional appropriation.
- 11 The National Biological Service's (NBS) name changed from the National Biological Survey on Jan. 5, 1995. As of fiscal year 1994, NBS performs all biological research activities formerly funded by the United States Fish & Wildlife Service and the National Park Service.
- 12 The Bureau of Prisons was formerly listed as the Federal Prison System.
- 13 The name of this agency changed from the Urban Mass Transit Administration to the Federal Transit Administration on Dec. 18, 1991.
- 14 Due to the reorganization of the Internal Revenue Service and subsequent unavailability of data, fiscal year 1992 figures are taken from estimates made in the Vol. 41 submission.
- 15 Large changes in obligations reported by the Internal Revenue Service for Vol. 44 are due to shifts in research funding.
- 16 The United States Secret Service was formerly listed as the Office of Protective Research.
- 17 Increases in outlays and obligations reported by the Department of State during the Vol. 44 survey cycle reflect reporting of monies received through interagency agreements with the Agency for International Development. The Department of State transfers these outlays and obligations to other R&D performers.
- 18 Fiscal year 1994 figures for the United States Arms Control & Disarmament Agency are estimates based on the agency's Vol. 43 submission.

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

Beginning with Vol. 44, Department of Defense development obligations are reported in two categories: advanced technology and major systems.

KEY: - = Amount less than 50 thousand dollars

NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

**Table C-100. Federal obligations for research and development, by performer:
fiscal years 1976-86**

[Dollars in millions]

Page 1 of 1

Performer	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Total	20,779.7	23,450.4	25,845.1	28,145.1	29,830.4	33,103.9	36,432.6	38,711.5	42,224.9	48,359.6	51,412.4
Intramural ¹	5,768.7	6,011.7	6,810.4	7,417.5	7,632.3	8,425.7	9,141.0	10,581.9	11,572.3	12,945.4	13,534.9
Industrial firms excluding FFRDCs	9,340.3	10,717.2	11,400.0	12,172.4	12,969.1	14,867.9	17,192.2	17,019.7	18,610.4	21,704.9	24,201.2
FFRDCs administered by industrial firms	813.8	1,112.7	1,242.5	1,318.1	1,408.1	1,413.9	1,506.4	1,501.2	1,608.4	1,790.8	1,697.0
Universities & colleges excluding FFRDCs	2,551.8	2,905.5	3,374.6	3,888.8	4,263.4	4,465.8	4,605.5	4,966.4	5,546.9	6,339.7	6,558.8
FFRDCs administered by universities ²	1,061.1	1,313.1	1,311.9	1,488.3	1,533.3	1,791.0	1,976.7	2,393.9	2,485.8	2,816.4	2,767.7
Nonprofit institutions excluding FFRDCs	708.6	800.0	998.2	1,026.5	1,105.6	1,068.8	1,091.7	1,241.6	1,497.3	1,699.2	1,677.0
FFRDCs administered by nonprofit institutions ²	231.0	263.9	315.9	368.7	441.8	525.2	520.6	581.3	597.1	689.2	551.2
State and local governments	231.2	238.0	268.4	310.1	265.5	222.2	184.3	186.0	130.9	129.4	129.4
Foreign	73.1	88.2	123.2	154.7	211.2	323.4	214.3	239.5	175.8	244.5	296.3

¹ Intramural activities cover costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

² In 1984 the Center for Naval Analyses was reclassified from an FFRDC administered by a university to an FFRDC administered by a nonprofit institution.

NOTE: Because of rounding, detail may not add to totals.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

**Table C-100a. Federal obligations for research and development, by performer:
fiscal years 1987-97**

[Dollars in millions]

Page 1 of 1

Performer	1987	1988	1989	1990	1991	1992	1993	1994	1995	Preliminary	
										1996	1997
Total	55,253.7	56,769.4	61,406.5	63,559.5	61,295.2	65,592.6	67,314.0	67,255.8	68,754.9	69,076.9	68,063.7
Intramural ¹	13,413.1	14,114.6	15,024.6	15,848.9	15,138.2	15,582.8	16,663.3	16,139.1	17,342.7	16,897.0	16,403.7
Industrial firms excluding FFRDCs	26,768.2	26,719.2	28,547.9	29,370.0	26,420.6	29,744.8	30,219.0	30,454.4	30,468.7	31,267.6	30,712.6
FFRDCs administered by industrial firms	1,860.0	1,911.3	2,056.3	2,326.8	2,168.3	2,117.0	1,451.3	1,293.5	1,203.9	1,231.3	1,339.5
Universities & colleges excluding FFRDCs	7,337.3	7,827.7	8,672.0	9,137.5	10,168.5	10,271.2	11,208.4	11,828.7	11,933.0	12,251.2	12,362.2
FFRDCs administered by universities ²	3,209.6	3,473.9	3,497.1	3,449.8	3,603.8	3,855.5	3,614.2	3,292.9	3,574.3	3,302.2	3,230.6
Nonprofit institutions excluding FFRDCs	1,711.4	1,683.2	1,999.9	2,248.2	2,637.4	2,803.6	2,811.9	2,929.7	2,806.5	2,865.6	2,883.6
FFRDCs administered by nonprofit institutions ²	510.6	505.6	522.0	621.6	679.4	745.6	753.4	735.5	831.4	721.2	644.1
State and local governments	148.2	142.1	167.4	213.9	215.1	184.1	320.3	325.4	316.5	273.8	281.6
Foreign	295.3	391.8	919.4	342.6	263.9	287.9	272.2	256.6	277.8	266.0	205.9

¹ Intramural activities cover costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

² In 1984 the Center for Naval Analyses was reclassified from an FFRDC administered by a university to an FFRDC administered by a nonprofit institution.

NOTE: Because of rounding, detail may not add to totals.

KEY: FFRDCs = Federally funded research and development centers.

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development, Fiscal Years 1995, 1996, and 1997.

**Table C-101. Federal obligations for research, by performer:
fiscal years 1976-86**

[Dollars in millions]

Page 1 of 1

Performer	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Total	7,619.3	8,514.1	9,606.8	10,535.0	11,597.4	12,212.8	13,022.2	14,253.5	14,978.8	16,133.4	16,502.2
Intramural ¹	2,879.2	2,957.7	3,220.8	3,481.2	3,666.3	4,034.2	4,194.2	4,710.3	4,764.7	5,056.1	5,160.3
Industrial firms excluding FFRDCs	1,103.0	1,367.3	1,651.4	1,762.0	2,077.6	1,958.3	2,156.6	2,114.2	2,137.4	2,074.4	2,280.5
FFRDCs administered by industrial firms	176.5	192.2	235.2	245.0	311.0	351.3	487.3	522.6	496.5	485.9	482.1
Universities & colleges excluding FFRDCs	2,249.7	2,583.5	2,928.0	3,333.4	3,699.1	3,920.1	4,045.4	4,467.9	5,029.7	5,726.3	5,883.4
FFRDCs administered by universities ²	548.3	670.3	714.9	800.6	851.2	940.6	1,056.7	1,250.1	1,335.9	1,421.3	1,291.7
Nonprofit institutions excluding FFRDCs	435.4	512.2	590.9	622.6	678.4	705.2	743.5	836.9	922.6	1,045.1	1,062.9
FFRDCs administered by nonprofit institutions ²	57.5	55.6	66.9	73.4	71.7	67.7	104.2	85.2	87.3	97.0	87.9
State and local governments	119.4	115.2	128.8	139.5	150.9	129.3	125.9	136.7	88.2	89.5	91.0
Foreign	50.4	60.3	69.9	77.4	91.1	106.0	108.3	129.6	116.5	137.9	162.4

¹ Intramural activities cover costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

² In 1984 the Center for Naval Analyses was reclassified from an FFRDC administered by a university to an FFRDC administered by a nonprofit institution.

NOTE: Because of rounding, detail may not add to totals.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

**Table C-101a. Federal obligations for research, by performer:
fiscal years 1987-97**

[Dollars in millions]

Page 1 of 1

Performer	1987	1988	1989	1990	1991	1992	1993	1994	1995	Preliminary	
										1996	1997
Total	17,940.5	18,650.1	20,765.5	21,622.4	23,968.4	24,490.6	26,890.5	27,440.4	28,573.4	28,577.8	29,173.5
Intramural ¹	5,437.7	5,338.4	5,897.0	5,809.8	6,454.4	6,523.3	7,451.8	7,488.2	7,787.8	7,404.3	7,696.1
Industrial firms excluding FFRDCs	2,448.6	2,642.5	2,875.0	3,191.6	3,406.5	3,451.2	3,923.8	4,063.5	4,727.9	4,672.8	4,799.7
FFRDCs administered by industrial firms	433.5	455.2	604.3	614.3	709.6	684.9	799.3	737.2	818.0	877.7	1,005.5
Universities & colleges excluding FFRDCs	6,640.2	7,022.9	7,793.1	8,136.5	8,867.5	9,060.7	9,892.3	10,323.5	10,371.6	10,919.9	10,823.3
FFRDCs administered by universities ²	1,471.0	1,564.8	1,703.4	1,791.5	2,160.9	2,351.8	2,299.4	2,181.1	2,235.6	2,085.7	2,131.1
Nonprofit institutions excluding FFRDCs	1,207.5	1,300.0	1,519.8	1,660.0	1,925.9	2,049.6	2,041.3	2,094.9	2,056.1	2,101.0	2,199.9
FFRDCs administered by nonprofit institutions ²	89.8	82.9	109.5	137.6	170.9	139.9	173.4	178.0	210.1	183.7	191.6
State and local governments	90.2	103.1	121.2	126.4	129.3	109.3	211.8	230.8	221.4	198.9	207.0
Foreign	121.9	140.4	142.1	154.5	143.4	120.0	97.4	143.3	144.8	133.9	119.3

¹ Intramural activities cover costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

² In 1984 the Center for Naval Analyses was reclassified from an FFRDC administered by a university to an FFRDC administered by a nonprofit institution.

NOTE: Because of rounding, detail may not add to totals.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

**Table C-102. Federal obligations for basic research, by performer:
fiscal years 1976-86**

[Dollars in millions]

Page 1 of 1

Performer	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Total	2,767.5	3,258.6	3,698.6	4,192.7	4,674.2	5,041.3	5,481.6	6,260.1	7,067.4	7,818.7	8,153.1
Intramural ¹	786.0	914.1	1,029.3	1,089.1	1,182.5	1,301.8	1,465.5	1,689.8	1,861.1	1,923.4	2,018.9
Industrial firms excluding FFRDCs	131.1	208.1	247.7	277.1	325.3	292.9	270.9	292.9	377.9	380.1	511.6
FFRDCs administered by industrial firms	59.8	53.1	65.4	66.6	70.4	73.3	87.4	83.0	91.1	122.6	117.6
Universities & colleges excluding FFRDCs	1,341.7	1,555.1	1,759.2	2,079.9	2,320.3	2,503.2	2,727.1	3,112.3	3,530.8	4,038.7	4,132.1
FFRDCs administered by universities ²	284.9	324.1	356.8	393.6	436.8	490.6	516.7	604.0	668.9	724.2	724.1
Nonprofit institutions excluding FFRDCs	126.5	162.5	192.8	240.3	279.5	313.1	355.6	409.6	473.6	555.8	572.1
FFRDCs administered by nonprofit institutions ²	7.9	5.6	5.8	6.7	7.5	8.6	9.0	8.0	8.2	12.4	13.0
State and local governments	12.9	15.6	17.1	19.8	23.9	26.5	24.5	32.1	28.1	30.5	30.9
Foreign	16.6	20.4	24.6	19.5	28.1	31.2	24.9	28.5	27.7	30.9	32.7

¹ Intramural activities cover costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

² In 1984 the Center for Naval Analyses was reclassified from an FFRDC administered by a university to an FFRDC administered by a nonprofit institution.

NOTE: Because of rounding, detail may not add to totals.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

**Table C-102a. Federal obligations for basic research, by performer:
fiscal years 1987-97**

[Dollars in millions]

Page 1 of 1

Performer	1987	1988	1989	1990	1991	1992	1993	1994	1995	Preliminary	
										1996	1997
Total	8,942.4	9,473.6	10,602.0	11,285.6	12,170.8	12,489.9	13,399.1	13,552.9	13,895.5	14,482.1	14,732.3
Intramural ¹	2,046.2	2,050.3	2,313.4	2,294.6	2,391.6	2,337.6	2,661.8	2,505.0	2,712.9	2,413.9	2,667.8
Industrial firms excluding FFRDCs	467.0	596.9	773.2	887.5	949.9	920.3	896.3	1,109.1	1,221.2	1,225.7	1,279.1
FFRDCs administered by industrial firms	119.9	133.0	223.9	246.8	264.0	247.2	243.6	237.6	239.1	339.9	368.3
Universities & colleges excluding FFRDCs	4,665.6	4,868.3	5,221.4	5,548.2	6,064.5	6,331.8	6,833.7	7,024.2	6,951.3	7,753.6	7,405.5
FFRDCs administered by universities ²	906.7	989.8	1,098.1	1,227.3	1,306.2	1,394.1	1,402.7	1,336.0	1,438.3	1,503.5	1,519.7
Nonprofit institutions excluding FFRDCs	657.7	728.6	838.9	924.1	1,015.5	1,097.2	1,164.9	1,125.7	1,134.2	1,062.1	1,270.2
FFRDCs administered by nonprofit institutions ²	13.3	17.7	42.2	59.2	80.8	65.5	71.3	73.9	75.2	71.6	82.9
State and local governments	37.5	42.7	43.6	50.4	49.1	42.4	71.7	75.2	78.7	70.4	92.3
Foreign	28.5	46.3	47.4	47.6	49.1	53.8	53.3	66.1	44.5	41.3	46.5

¹ Intramural activities cover costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

² In 1984 the Center for Naval Analyses was reclassified from an FFRDC administered by a university to an FFRDC administered by a nonprofit institution.

NOTE: Because of rounding, detail may not add to totals.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997.

**Table C-103. Federal obligations for applied research, by performer:
fiscal years 1976-86**

[Dollars in millions]

Page 1 of 1

Performer	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Total	4,851.9	5,255.5	5,908.2	6,342.3	6,923.2	7,171.5	7,540.6	7,993.4	7,911.4	8,314.7	8,349.1
Intramural ¹	2,093.1	2,043.6	2,191.5	2,392.1	2,483.8	2,732.4	2,728.7	3,020.4	2,903.6	3,132.7	3,141.5
Industrial firms excluding FFRDCs	971.9	1,159.1	1,403.7	1,484.9	1,752.3	1,665.4	1,885.7	1,821.3	1,759.5	1,694.3	1,768.8
FFRDCs administered by industrial firms	116.7	139.1	169.8	178.3	240.7	278.1	400.0	439.7	405.4	363.3	364.5
Universities & colleges excluding FFRDCs	908.0	1,028.4	1,168.8	1,253.5	1,378.8	1,416.9	1,318.3	1,355.6	1,498.9	1,687.6	1,751.4
FFRDCs administered by universities ²	263.4	346.2	358.1	407.0	414.3	450.0	540.0	646.1	667.0	697.1	567.6
Nonprofit institutions excluding FFRDCs	308.9	349.6	398.1	382.3	398.9	392.1	387.9	427.3	449.0	489.3	490.8
FFRDCs administered by nonprofit institutions ²	49.6	49.9	61.2	66.7	64.2	59.1	95.2	77.1	79.1	84.6	74.9
State and local governments	106.5	99.6	111.8	119.7	127.1	102.8	101.4	104.7	60.0	58.9	60.0
Foreign	33.8	39.9	45.3	57.9	63.0	74.8	83.4	101.1	88.8	107.0	129.7

¹ Intramural activities cover costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

² In 1984 the Center for Naval Analyses was reclassified from an FFRDC administered by a university to an FFRDC administered by a nonprofit institution.

NOTE: Because of rounding, detail may not add to totals.

KEY: FFRDCs = Federally funded research and development centers.

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997.

**Table C-103a. Federal obligations for applied research, by performer:
fiscal years 1987-97**

[Dollars in millions]

Page 1 of 1

Performer	1987	1988	1989	1990	1991	1992	1993	1994	1995	Preliminary	
										1996	1997
Total	8,998.1	9,176.5	10,163.5	10,336.8	11,797.6	12,000.7	13,491.4	13,887.5	14,677.9	14,095.7	14,441.3
Intramural ¹	3,391.5	3,288.1	3,583.5	3,515.2	4,062.8	4,185.7	4,790.0	4,983.2	5,074.9	4,990.4	5,028.3
Industrial firms excluding FFRDCs	1,981.6	2,045.6	2,101.8	2,304.2	2,456.6	2,530.9	3,027.5	2,954.4	3,506.7	3,447.1	3,520.6
FFRDCs administered by industrial firms	313.6	322.2	380.5	367.5	445.6	437.6	555.6	499.6	578.9	537.7	637.2
Universities & colleges excluding FFRDCs	1,974.6	2,154.6	2,571.8	2,588.4	2,803.0	2,728.9	3,058.6	3,299.3	3,420.3	3,166.3	3,417.8
FFRDCs administered by universities ²	564.3	575.0	605.4	564.3	854.7	957.6	896.8	845.1	797.3	582.2	611.4
Nonprofit institutions excluding FFRDCs	549.8	571.3	681.0	735.9	910.4	952.5	876.4	969.2	921.9	1,038.9	929.7
FFRDCs administered by nonprofit institutions ²	76.5	65.2	67.3	78.4	90.1	74.5	102.2	104.0	134.9	112.1	108.7
State and local governments	52.7	60.4	77.6	76.1	80.2	66.9	140.1	155.5	142.7	128.5	114.7
Foreign	93.4	94.1	94.6	106.9	94.3	66.2	44.1	77.2	100.3	92.6	72.8

¹ Intramural activities cover costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

² In 1984 the Center for Naval Analyses was reclassified from an FFRDC administered by a university to an FFRDC administered by a nonprofit institution.

NOTE: Because of rounding, detail may not add to totals.

KEY: FFRDCs = Federally funded research and development centers.

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997.

**Table C-104. Federal obligations for development, by performer:
fiscal years 1976-86**

[Dollars in millions]

Page 1 of 1

Performer	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Total	13,160.3	14,936.3	16,238.4	17,610.1	18,233.1	20,891.1	23,410.4	24,458.0	27,246.1	32,226.1	34,910.2
Intramural ¹	2,889.6	3,054.0	3,589.7	3,936.3	3,966.1	4,391.5	4,946.8	5,871.7	6,807.6	7,889.3	8,374.6
Industrial firms excluding FFRDCs	8,237.3	9,350.0	9,748.6	10,410.5	10,891.5	12,909.6	15,035.6	14,905.5	16,472.9	19,630.5	21,920.7
FFRDCs administered by industrial firms	637.3	920.6	1,007.3	1,073.1	1,097.0	1,062.6	1,019.1	978.5	1,112.0	1,304.9	1,215.0
Universities & colleges excluding FFRDCs	302.1	322.0	446.6	555.5	564.4	545.6	560.0	498.5	517.2	613.5	675.4
FFRDCs administered by universities ²	512.8	642.8	597.1	687.7	682.2	850.4	920.0	1,143.8	1,149.9	1,395.1	1,476.0
Nonprofit institutions excluding FFRDCs	273.1	287.9	407.3	403.8	427.1	363.6	348.1	404.7	574.6	654.1	614.1
FFRDCs administered by nonprofit institutions ²	173.5	208.3	249.0	295.4	370.1	457.5	416.4	496.1	509.8	592.2	463.3
State and local governments	111.8	122.9	139.6	170.7	114.6	92.9	58.4	49.3	42.8	39.9	37.4
Foreign	22.7	27.9	53.2	77.3	120.1	217.5	106.0	109.9	59.2	106.7	133.9

¹ Intramural activities cover costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

² In 1984 the Center for Naval Analyses was reclassified from an FFRDC administered by a university to an FFRDC administered by a nonprofit institution.

NOTE: Because of rounding, detail may not add to totals.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation-SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997.

**Table C-104a. Federal obligations for development, by performer:
fiscal years 1987-97**

[Dollars in millions]

Page 1 of 1

Performer	1987	1988	1989	1990	1991	1992	1993	1994	1995	Preliminary	
										1996	1997
Total	37,313.2	38,119.3	40,641.0	41,937.1	37,326.8	41,102.0	40,423.5	39,815.4	40,181.4	40,499.2	38,890.2
Intramural ¹	7,975.3	8,776.2	9,127.6	10,039.1	8,683.8	9,059.6	9,211.6	8,650.9	9,554.9	9,492.8	8,707.6
Industrial firms excluding FFRDCs	24,319.6	24,076.7	25,672.9	26,178.4	23,014.1	26,293.6	26,295.2	26,390.9	25,740.7	26,594.8	25,912.9
FFRDCs administered by industrial firms	1,426.4	1,456.1	1,452.0	1,712.5	1,458.7	1,432.2	652.1	556.3	385.9	353.6	334.0
Universities & colleges excluding FFRDCs	697.0	804.8	878.8	1,001.0	1,301.0	1,210.6	1,316.1	1,505.2	1,561.4	1,331.3	1,538.9
FFRDCs administered by universities ²	1,738.6	1,909.1	1,793.6	1,658.3	1,442.9	1,503.7	1,314.8	1,111.8	1,338.7	1,216.5	1,099.5
Nonprofit institutions excluding FFRDCs	503.9	383.2	480.0	588.2	711.5	753.9	770.6	834.8	750.4	765.6	683.7
FFRDCs administered by nonprofit institutions ²	420.8	422.7	412.4	484.0	508.5	605.7	580.0	557.6	621.3	537.5	452.5
State and local governments	58.0	39.0	46.3	87.5	85.8	74.8	108.5	94.7	95.1	74.9	74.6
Foreign	173.4	251.4	777.3	188.1	120.5	167.9	174.8	113.3	133.0	132.2	86.5

¹ Intramural activities cover costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

² In 1984 the Center for Naval Analyses was reclassified from an FFRDC administered by a university to an FFRDC administered by a nonprofit institution.

NOTE: Because of rounding, detail may not add to totals.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

**Table C-105. Federal obligations for total research, by detailed field of science and engineering:
fiscal years 1976-86**

[Dollars in millions]

Page 1 of 1

Field of science and engineering	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Total, all fields	7,619.3	8,514.1	9,606.8	10,535.0	11,597.4	12,212.8	13,022.2	14,253.5	14,978.8	16,133.4	16,502.2
Life sciences, total	2,649.7	3,007.7	3,427.1	3,848.3	4,192.3	4,435.6	4,745.5	5,177.9	5,635.9	6,362.5	6,464.3
Biol & agricultural, total	1,535.8	1,777.6	2,024.0	2,320.3	2,507.6	2,711.8	2,811.8	3,064.4	3,325.0	3,755.3	3,861.3
Biol (excl environmental)	NA	NA	1,488.5	1,702.2	1,830.6	1,996.6	2,079.3	2,305.5	2,563.1	2,885.7	2,993.4
Environmental biology	NA	NA	184.9	216.6	229.7	220.3	183.5	193.6	250.0	260.3	264.1
Agricultural	NA	NA	350.7	401.5	447.2	494.8	549.0	565.2	512.0	609.3	603.8
Medical sciences, total	1,042.9	1,138.8	1,287.4	1,380.6	1,536.9	1,609.9	1,773.0	1,927.5	2,112.8	2,368.5	2,360.4
Clinical medical	586.7	634.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other medical	456.3	504.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
Life sciences, n.e.c.	71.0	91.4	115.7	147.3	147.9	113.9	160.7	186.1	198.1	238.7	242.6
Psychology, total	144.0	156.2	176.7	197.4	199.0	208.9	218.4	240.9	266.7	327.1	334.0
Biological aspects	43.8	57.6	53.4	56.8	59.9	57.5	59.6	63.2	80.8	91.2	90.1
Social aspects	54.9	54.5	65.4	83.6	94.8	93.5	98.1	104.7	107.8	142.9	143.5
Psychological sci, n.e.c.	45.3	44.1	57.9	57.0	44.3	57.9	60.7	73.0	78.1	93.1	100.4
Physical sciences, total	1,258.9	1,530.2	1,645.6	1,792.6	2,000.6	2,220.5	2,500.4	2,891.4	2,969.0	3,046.0	3,069.1
Astronomy	163.1	197.3	213.6	284.4	285.7	281.0	275.8	357.4	382.3	414.7	468.2
Chemistry	328.4	370.7	405.0	443.6	454.5	486.9	481.2	520.3	606.4	650.4	662.4
Physics	709.3	866.3	942.4	1,022.7	1,182.5	1,345.6	1,610.5	1,854.6	1,836.4	1,816.0	1,805.9
Physical sciences, n.e.c.	58.1	95.9	84.6	41.8	77.9	107.0	132.9	159.2	143.9	164.8	132.6
Environmental sciences, total	769.3	906.0	1,024.6	1,101.0	1,261.0	1,121.1	1,148.3	1,251.2	1,275.9	1,403.7	1,481.7
Atmospheric sciences	289.3	318.4	319.2	348.7	409.5	373.4	425.8	460.7	434.1	486.0	521.3
Geological sciences	227.2	269.4	316.4	358.7	401.8	396.1	357.6	333.5	359.0	429.0	443.9
Oceanography	164.0	195.9	223.8	220.5	262.1	261.7	261.3	343.5	363.5	398.5	429.7
Environmental sci, n.e.c.	88.8	122.3	165.2	173.1	187.6	89.9	103.6	113.5	119.3	90.2	86.8
Math & computer sci, total	157.8	195.9	216.3	210.3	240.9	278.9	350.1	419.4	440.3	574.9	615.4
Mathematics	69.9	96.4	93.4	84.2	90.9	117.7	128.1	133.5	151.0	183.6	184.5
Computer sciences	73.6	89.4	107.3	106.3	128.6	121.5	170.9	214.6	214.5	280.3	302.4
Math & computer sci, n.e.c.	14.3	10.1	15.7	19.9	21.4	39.7	51.0	71.4	74.8	111.0	128.5
Engineering, total	2,068.7	2,112.9	2,421.2	2,571.6	2,830.1	3,071.5	3,386.5	3,517.0	3,624.1	3,617.6	3,738.9
Aeronautical	526.8	408.8	482.9	624.9	708.1	709.6	741.2	820.6	860.4	738.0	775.6
Astronautical	179.4	159.0	165.1	251.1	302.3	303.9	290.7	321.5	396.8	424.7	526.9
Chemical	88.3	104.8	149.4	114.3	96.3	147.6	95.1	145.0	144.5	254.3	245.8
Civil	105.9	117.4	142.4	125.0	158.8	159.1	201.9	188.5	202.8	216.6	202.9
Electrical	297.7	382.7	432.6	417.9	517.1	556.7	612.2	614.9	630.0	626.8	674.4
Mechanical	185.7	199.2	234.1	195.9	208.0	204.6	201.2	266.4	190.5	267.0	236.5
Metallurgy & materials	274.9	293.8	286.0	249.3	236.2	256.0	309.1	332.5	341.1	439.2	445.0
Engineering, n.e.c.	410.0	447.2	528.6	593.2	603.3	733.9	935.1	827.6	858.0	651.0	631.7
Social sciences, total	392.5	426.1	489.5	527.3	523.8	497.4	385.9	435.3	436.3	460.0	415.5
Anthropology	13.6	12.4	19.5	17.3	17.2	14.5	14.6	12.8	18.6	18.0	13.6
Economics	137.6	142.9	163.2	181.9	192.8	206.7	157.1	165.6	147.3	159.7	131.3
Political science	7.2	8.5	8.8	13.9	12.2	10.8	7.5	11.1	10.8	14.6	11.6
Sociology	53.6	52.2	60.3	64.5	71.4	65.0	52.0	67.8	70.2	66.5	67.0
Social sciences, n.e.c.	180.4	210.3	237.6	249.6	230.3	200.4	154.7	178.0	189.5	201.3	192.0
Other sciences, n.e.c.	178.6	179.1	205.8	286.6	349.6	378.8	287.0	320.4	330.5	341.6	383.3

NOTE: Because of rounding, detail may not add to totals.

KEY: NA = Not applicable (indicates that the data collected for this table were not recorded at that level in that particular fiscal year)
n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

BEST COPY AVAILABLE

**Table C-105a. Federal obligations for total research, by detailed field of science and engineering:
fiscal years 1987-97**

[Dollars in millions]

Page 1 of 1

Field of science and engineering	1987	1988	1989	1990	1991	1992	1993	1994	1995	Preliminary	
										1996	1997
Total, all fields	17,940.5	18,650.1	20,765.5	21,622.4	23,968.4	24,490.6	26,890.5	27,440.4	28,573.4	28,577.8	29,173.5
Life sciences, total	7,341.4	7,724.5	8,495.1	8,829.8	9,622.0	9,910.5	10,772.1	11,290.6	11,869.4	12,150.1	12,299.6
Biol & agricultural, total	4,358.5	4,573.4	5,020.0	5,178.4	5,597.9	5,633.6	6,059.3	6,080.7	6,428.6	NA	NA
Biol (excl environmental)	3,502.0	3,681.7	3,983.2	4,144.6	4,411.9	4,380.3	4,730.6	4,682.6	4,803.9	NA	NA
Environmental biology	289.6	301.0	367.8	342.3	459.7	511.0	556.5	609.5	891.5	NA	NA
Agricultural	566.9	590.7	669.0	691.4	726.2	742.3	772.2	788.6	733.2	NA	NA
Medical sciences	2,664.8	2,941.0	3,222.5	3,382.4	3,460.3	3,909.9	4,404.4	4,846.5	5,004.6	NA	NA
Life sciences, n.e.c.	318.2	210.1	252.6	269.1	563.8	367.0	308.3	363.5	436.3	NA	NA
Psychology, total	369.5	389.8	421.7	448.6	482.4	298.1	550.7	549.8	620.8	641.3	650.2
Biological aspects	98.3	105.3	121.8	130.6	140.2	34.6	37.2	46.9	57.0	NA	NA
Social aspects	154.5	149.4	149.9	177.5	197.5	100.9	134.7	116.8	156.3	NA	NA
Psychological sci, n.e.c.	116.7	135.2	149.9	140.5	144.8	162.6	378.7	386.1	407.5	NA	NA
Physical sciences, total	3,252.6	3,317.3	3,705.2	3,808.7	4,235.3	4,439.2	4,427.0	4,258.1	4,281.6	4,322.4	4,398.2
Astronomy	522.2	470.8	541.9	597.2	631.7	739.1	686.3	747.1	764.9	NA	NA
Chemistry	680.3	703.1	782.6	761.7	828.4	896.2	843.2	872.3	866.2	NA	NA
Physics	1,853.6	1,975.3	2,190.8	2,254.9	2,460.9	2,578.2	2,638.4	2,436.0	2,451.3	NA	NA
Physical sciences, n.e.c.	196.6	168.1	189.9	195.0	314.3	225.7	259.2	202.7	199.2	NA	NA
Environmental sciences, total	1,511.6	1,607.0	1,773.2	2,174.1	2,149.8	2,207.6	2,608.5	2,827.6	2,947.4	2,924.1	2,955.1
Atmospheric sciences	552.9	587.8	588.0	773.4	802.7	767.3	984.1	1,088.1	1,176.1	NA	NA
Geological sciences	441.7	441.6	542.8	661.1	728.7	735.7	797.9	835.2	864.2	NA	NA
Oceanography	427.4	460.4	491.9	520.1	398.6	458.9	467.4	487.3	424.0	NA	NA
Environmental sci, n.e.c.	89.5	117.1	150.5	219.5	219.8	245.8	359.2	417.1	483.0	NA	NA
Math & computer sci, total	640.6	642.9	735.4	840.7	903.7	1,160.3	1,225.4	1,291.5	1,530.9	1,508.3	1,545.8
Mathematics	204.5	217.9	236.1	241.3	227.6	318.7	290.8	339.1	359.2	NA	NA
Computer sciences	297.8	292.7	364.6	562.1	584.9	771.8	826.1	811.0	961.9	NA	NA
Math & computer sci, n.e.c.	138.3	132.3	134.8	37.3	91.1	69.9	108.5	141.4	209.8	NA	NA
Engineering, total	3,906.3	3,956.4	4,442.2	4,226.6	4,944.5	4,977.0	5,499.4	5,509.0	5,740.1	5,508.5	5,707.7
Aeronautical	810.4	801.8	986.8	927.1	1,016.2	874.6	1,193.0	1,236.2	1,248.6	NA	NA
Astronautical	624.6	575.4	677.4	580.8	653.1	630.4	494.0	499.1	545.1	NA	NA
Chemical	215.8	258.1	142.2	241.9	304.3	297.5	245.5	234.8	250.4	NA	NA
Civil	204.4	214.9	229.8	317.7	305.0	330.2	252.0	296.4	340.4	NA	NA
Electrical	786.3	731.1	843.1	640.0	729.9	759.0	881.5	713.0	765.9	NA	NA
Mechanical	233.5	240.8	257.4	268.3	335.5	337.2	466.9	366.0	418.1	NA	NA
Metallurgy & materials	362.0	456.7	521.0	554.5	710.7	727.2	695.7	839.1	793.3	NA	NA
Engineering, n.e.c.	669.3	677.8	784.5	696.3	889.8	1,020.8	1,270.9	1,324.5	1,378.3	NA	NA
Social sciences, total	480.0	485.8	551.0	630.0	727.3	689.7	674.9	655.2	681.5	669.4	727.6
Anthropology	15.2	14.3	13.9	14.4	16.0	14.1	13.7	16.9	22.1	NA	NA
Economics	148.5	159.5	166.8	197.2	187.4	211.6	204.7	195.3	205.9	NA	NA
Political science	11.3	12.2	13.5	13.1	17.0	22.6	29.2	28.5	24.1	NA	NA
Sociology	74.0	81.8	94.1	116.2	184.0	80.7	76.7	69.3	48.5	NA	NA
Social sciences, n.e.c.	231.0	218.0	262.8	289.1	322.9	360.8	350.5	345.3	380.9	NA	NA
Other sciences, n.e.c.	438.3	526.5	641.6	663.7	903.4	808.3	1,132.5	1,058.4	901.8	853.5	889.3

NOTES: Because of rounding, detail may not add to totals.

The National Aeronautics and Space Administration has made a statistical adjustment to the 1994, 1995, 1996, and 1997 field of science and engineering values to diminish a computational error introduced by its software.

KEY: NA = Not applicable (indicates that the data collected for this table were not recorded at that level in that particular fiscal year)
n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

**Table C-106. Federal obligations for basic research, by detailed field of science and engineering:
fiscal years 1976-86**

[Dollars in millions]

Page 1 of 1

Field of science and engineering	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Total, all fields	2,767.5	3,258.6	3,698.6	4,192.7	4,674.2	5,041.3	5,481.6	6,260.1	7,067.4	7,818.7	8,153.1
Life sciences, total	1,222.0	1,383.4	1,588.4	1,891.8	2,054.4	2,223.8	2,526.0	2,891.3	3,287.6	3,786.6	3,858.8
Biol & agricultural, total	818.4	933.6	1,078.7	1,279.3	1,339.4	1,462.4	1,674.8	1,928.8	2,174.7	2,515.5	2,543.0
Biol (excl environmental)	NA	NA	874.5	1,055.5	1,099.9	1,201.7	1,401.2	1,621.9	1,835.8	2,106.3	2,151.5
Environmental biology	NA	NA	64.3	90.8	86.1	83.3	83.2	92.7	120.8	125.7	125.7
Agricultural	NA	NA	139.8	133.0	153.5	177.4	190.4	214.2	218.1	283.5	265.7
Medical sciences, total	374.4	414.8	467.7	560.1	657.0	706.2	793.4	878.9	1,015.3	1,145.4	1,196.6
Clinical medical	41.6	39.6	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other medical	332.8	375.2	NA	NA	NA	NA	NA	NA	NA	NA	NA
Life sciences, n.e.c.	29.2	35.0	42.0	52.4	58.0	55.3	57.8	83.6	97.7	125.7	119.2
Psychology, total	45.5	55.7	67.5	75.1	84.2	91.0	89.9	92.9	107.9	132.8	133.0
Biological aspects	18.5	22.5	23.5	26.4	30.2	30.5	32.9	31.4	43.7	48.0	47.0
Social aspects	16.1	20.0	25.3	34.0	31.3	30.2	33.7	32.8	33.4	46.9	45.3
Psychological sci, n.e.c.	11.0	13.1	18.7	14.7	22.8	30.2	23.3	28.7	30.8	38.0	40.7
Physical sciences, total	721.4	890.0	941.4	1,050.0	1,220.6	1,324.9	1,393.8	1,587.2	1,728.0	1,815.2	1,914.4
Astronomy	160.0	193.3	209.8	280.6	279.4	274.2	271.1	354.5	379.6	400.7	453.1
Chemistry	168.3	208.7	203.3	224.8	256.9	298.2	312.0	362.2	403.4	425.0	433.4
Physics	388.4	467.4	518.8	535.6	668.2	735.4	790.7	855.1	921.4	959.9	1,003.4
Physical sciences, n.e.c.	4.8	20.6	9.5	8.9	16.1	17.1	20.0	15.4	23.6	29.7	24.7
Environmental sciences, total	294.3	387.5	451.3	457.3	522.4	532.8	520.0	580.1	656.7	699.7	749.1
Atmospheric sciences	114.0	143.5	163.3	169.2	179.0	173.8	163.2	172.6	192.2	209.2	240.4
Geological sciences	95.7	128.7	145.1	157.6	198.3	194.2	177.5	178.3	198.0	250.0	265.5
Oceanography	76.6	104.6	120.7	119.1	130.7	143.3	154.5	195.6	220.1	219.3	224.3
Environmental sci, n.e.c.	8.0	10.7	22.2	11.4	14.3	21.5	24.9	33.5	46.4	21.2	18.9
Math & computer sci, total	81.8	83.4	97.7	104.2	116.3	140.4	165.1	208.1	240.8	260.0	293.4
Mathematics	43.2	52.1	55.9	60.0	66.8	79.2	90.9	100.9	113.9	130.3	142.4
Computer sciences	26.6	31.0	40.3	43.0	46.2	52.2	67.4	90.4	104.8	116.1	131.4
Math & computer sci, n.e.c.	12.0	3	1.6	1.2	3.2	9.0	6.8	16.8	22.2	13.6	19.6
Engineering, total	272.8	337.7	392.6	434.7	465.2	526.0	610.5	689.5	845.0	884.2	968.5
Aeronautical	32.0	49.5	82.8	88.4	104.2	113.3	126.5	140.7	225.5	191.5	226.3
Astronautical	11.9	10.2	14.9	25.2	27.2	33.2	44.8	50.4	52.4	41.6	52.5
Chemical	18.4	24.0	24.1	24.6	26.1	31.3	35.2	50.4	55.5	74.4	73.0
Civil	7.8	10.4	10.8	14.2	22.0	23.4	32.0	32.4	41.9	43.6	45.2
Electrical	53.1	55.1	57.4	62.0	70.6	78.5	93.6	95.8	130.4	144.9	156.3
Mechanical	20.1	29.6	29.5	35.9	42.2	47.4	53.1	60.7	64.1	88.2	83.6
Metallurgy & materials	103.3	124.9	134.5	151.1	121.3	138.5	155.9	182.9	187.3	211.9	228.5
Engineering, n.e.c.	26.3	33.9	38.4	33.2	51.6	60.5	69.4	76.2	87.9	88.2	103.2
Social sciences, total	86.4	95.5	124.3	129.7	147.2	137.0	120.2	137.7	132.6	140.7	113.5
Anthropology	6.4	8.0	12.0	12.5	14.2	13.1	13.1	11.2	16.8	15.8	11.2
Economics	25.6	29.1	33.6	32.7	40.0	34.1	39.0	41.0	29.7	34.3	26.3
Political science	3.0	2.5	3.2	4.1	7.4	6.3	4.4	4.6	4.1	5.8	4.1
Sociology	16.6	15.9	18.6	18.4	25.4	22.6	18.7	32.8	33.9	32.4	30.0
Social sciences, n.e.c.	34.8	39.9	57.0	62.0	60.2	60.9	45.1	48.2	48.1	52.4	41.9
Other sciences, n.e.c.	43.1	25.5	35.4	50.0	63.9	65.4	56.1	73.3	68.8	99.4	122.5

NOTE: Because of rounding, detail may not add to totals.

KEY: NA = Not applicable (indicates that the data collected for this table were not recorded at that level in that particular fiscal year)
n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation SRS, Survey of Federal Funds for Research and Development, Fiscal Years 1995, 1996, and 1997

**Table C-106a. Federal obligations for basic research, by detailed field of science and engineering:
fiscal years 1987-97**

[Dollars in millions]

Page 1 of 1

Field of science and engineering	1987	1988	1989	1990	1991	1992	1993	1994	1995	Preliminary	
										1996	1997
Total, all fields	8,942.4	9,473.6	10,602.0	11,285.6	12,170.8	12,489.9	13,399.1	13,552.9	13,895.5	14,482.1	14,732.3
Life sciences, total	4,361.9	4,501.8	4,915.7	5,177.5	5,433.6	5,841.7	6,288.8	6,478.6	6,645.3	6,896.1	7,043.4
Biol & agricultural, total	2,870.4	2,855.3	3,102.9	3,219.0	3,374.9	3,517.6	3,787.8	3,729.8	3,855.8	NA	NA
Biol (excl environmental)	2,461.5	2,414.9	2,647.2	2,742.2	2,868.5	2,981.8	3,222.5	3,137.7	3,198.6	NA	NA
Environmental biology	141.0	146.8	157.3	168.3	186.9	201.6	223.2	221.6	289.8	NA	NA
Agricultural	267.9	293.7	298.4	308.5	319.4	334.2	342.2	370.5	367.4	NA	NA
Medical sciences	1,341.0	1,573.2	1,708.4	1,849.6	1,857.7	2,131.0	2,380.9	2,594.6	2,640.6	NA	NA
Life sciences, n.e.c.	150.6	73.2	104.4	108.9	201.0	193.1	120.1	154.2	148.9	NA	NA
Psychology, total	147.1	177.8	187.1	215.1	225.5	122.6	246.8	247.5	275.5	288.6	294.4
Biological aspects	49.3	52.4	61.0	65.3	68.2	14.3	18.1	23.6	28.9	NA	NA
Social aspects	45.5	40.9	38.1	60.9	69.2	16.9	16.0	16.3	22.2	NA	NA
Psychological sci, n.e.c.	52.3	84.5	88.0	88.8	88.1	91.4	212.7	207.7	224.4	NA	NA
Physical sciences, total	2,096.0	2,199.6	2,506.5	2,661.5	2,881.5	2,951.4	2,907.1	2,831.6	2,863.0	3,160.7	3,185.6
Astronomy	504.5	458.5	524.6	579.9	612.3	729.7	663.4	724.4	732.0	NA	NA
Chemistry	445.1	470.8	504.6	502.1	538.7	556.6	543.7	538.2	557.1	NA	NA
Physics	1,072.3	1,205.5	1,395.3	1,474.3	1,644.9	1,607.5	1,600.6	1,495.1	1,507.5	NA	NA
Physical sciences, n.e.c.	74.2	64.8	81.9	105.1	85.5	57.6	99.4	74.0	66.4	NA	NA
Environmental sciences, total	781.0	872.7	1,016.9	1,274.8	1,263.5	1,303.6	1,533.5	1,505.9	1,473.2	1,512.7	1,496.0
Atmospheric sciences	243.8	280.7	316.4	443.7	449.0	435.2	635.1	691.4	694.1	NA	NA
Geological sciences	266.2	267.3	334.9	439.7	499.0	526.5	555.3	485.0	453.7	NA	NA
Oceanography	249.8	269.4	293.5	299.7	197.5	210.0	207.2	180.7	185.9	NA	NA
Environmental sci, n.e.c.	21.2	55.2	72.1	91.6	118.0	131.9	135.9	148.8	139.6	NA	NA
Math & computer sci, total	306.4	313.2	345.8	406.9	426.1	481.4	511.3	511.6	554.0	597.8	604.3
Mathematics	158.4	165.4	167.8	176.3	164.4	228.2	221.8	244.5	264.6	NA	NA
Computer sciences	128.5	125.5	159.5	225.2	223.5	247.7	284.3	243.1	264.3	NA	NA
Math & computer sci, n.e.c.	19.5	22.4	18.4	5.3	38.2	5.5	5.1	24.1	25.1	NA	NA
Engineering, total	989.5	1,006.2	1,183.7	1,101.5	1,233.7	1,249.8	1,207.4	1,320.0	1,468.1	1,392.5	1,453.2
Aeronautical	237.4	231.0	327.9	269.6	256.2	245.1	246.2	289.3	270.9	NA	NA
Astronautical	48.8	48.4	58.9	62.3	69.7	94.4	53.6	59.8	64.7	NA	NA
Chemical	77.5	88.6	50.1	75.8	101.7	105.0	72.8	67.5	65.5	NA	NA
Civil	45.7	46.1	51.7	47.3	59.3	53.4	38.7	56.6	71.1	NA	NA
Electrical	175.4	154.0	173.8	146.9	142.5	165.4	203.1	176.9	213.6	NA	NA
Mechanical	87.2	83.5	100.8	91.4	115.6	113.9	142.6	129.5	169.9	NA	NA
Metallurgy & materials	209.8	230.1	254.8	260.2	294.6	273.6	241.3	317.8	346.1	NA	NA
Engineering, n.e.c.	107.8	124.4	165.7	147.9	194.3	199.2	209.1	222.5	266.2	NA	NA
Social sciences, total	129.5	146.8	154.6	146.0	161.3	139.9	194.1	191.9	209.5	214.5	226.7
Anthropology	12.3	12.1	12.1	12.5	12.7	11.0	10.0	10.3	15.5	NA	NA
Economics	29.0	34.7	37.7	37.1	37.3	39.3	46.0	40.3	44.1	NA	NA
Political science	5.5	5.1	5.4	6.4	7.1	6.4	6.4	7.9	8.9	NA	NA
Sociology	34.3	36.8	38.2	24.2	28.2	10.2	11.1	14.3	15.0	NA	NA
Social sciences, n.e.c.	48.4	58.1	61.2	65.8	75.9	72.9	120.6	119.1	126.0	NA	NA
Other sciences, n.e.c.	130.9	255.5	291.7	302.3	545.6	399.4	510.1	465.6	406.9	419.0	428.5

NOTES: Because of rounding, detail may not add to totals.

The National Aeronautics and Space Administration has made a statistical adjustment to the 1994, 1995, 1996, and 1997 field of science and engineering values to diminish a computational error introduced by its software.

KEY: NA = Not applicable (indicates that the data collected for this table were not recorded at that level in that particular fiscal year)
n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development, Fiscal Years 1995, 1996, and 1997

**Table C-107. Federal obligations for applied research, by detailed field of science and engineering:
fiscal years 1976-86**

[Dollars in millions]

Page 1 of 1

Field of science and engineering	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Total, all fields	4,851.9	5,255.5	5,908.2	6,342.3	6,923.2	7,171.5	7,540.6	7,993.4	7,911.4	8,314.7	8,349.1
Life sciences, total	1,427.7	1,624.4	1,838.7	1,956.5	2,137.9	2,211.8	2,219.5	2,286.6	2,348.3	2,575.9	2,605.5
Biol & agricultural, total	717.4	844.0	945.3	1,041.0	1,168.1	1,249.4	1,137.0	1,135.6	1,150.3	1,239.8	1,318.4
Biol (excl environmental)	NA	NA	614.0	646.7	730.8	794.9	678.1	683.7	727.3	779.3	841.9
Environmental biology	NA	NA	120.5	125.8	143.6	137.0	100.4	101.0	129.2	134.6	138.3
Agricultural	NA	NA	210.8	268.6	293.7	317.4	358.6	351.0	293.8	325.8	338.1
Medical sciences, total	668.6	724.0	819.8	820.5	879.9	903.7	979.6	1,048.5	1,097.5	1,223.1	1,163.8
Clinical medical	545.1	594.8	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other medical	123.5	129.2	NA	NA	NA	NA	NA	NA	NA	NA	NA
Life sciences, n.e.c.	41.7	56.4	73.6	95.0	89.9	58.7	102.9	102.4	100.4	113.0	123.3
Psychology, total	98.5	100.5	109.2	122.3	114.8	117.9	128.5	147.9	158.8	194.3	201.0
Biological aspects	25.3	35.1	29.9	30.4	29.7	27.0	26.7	31.8	37.1	43.2	43.1
Social aspects	38.8	34.5	40.1	49.6	63.5	63.3	64.4	71.8	74.3	96.0	98.3
Psychological sci, n.e.c.	34.3	30.9	39.1	42.3	21.5	27.7	37.4	44.3	47.4	55.1	59.7
Physical sciences, total	537.5	640.2	704.2	742.6	780.0	895.6	1,106.5	1,304.3	1,241.0	1,230.8	1,154.6
Astronomy	3.1	4.0	3.8	3.8	6.3	6.8	4.7	3.0	2.7	14.1	15.1
Chemistry	160.2	162.0	201.7	218.8	197.6	188.7	169.2	158.1	203.0	225.4	229.0
Physics	320.8	398.8	423.6	487.1	514.4	610.2	819.8	999.5	915.0	856.1	802.6
Physical sciences, n.e.c.	53.3	75.3	75.1	32.8	61.8	89.9	112.9	143.7	120.3	135.2	107.9
Environmental sciences, total	475.0	518.5	573.3	643.7	738.6	588.2	628.3	671.2	619.2	704.0	732.6
Atmospheric sciences	175.3	174.9	155.9	179.5	230.5	199.6	262.6	288.1	242.0	276.8	280.9
Geological sciences	131.5	140.7	171.2	201.1	203.4	201.9	180.1	155.2	161.0	179.0	178.4
Oceanography	87.4	91.3	103.1	101.4	131.4	118.4	106.8	147.9	143.4	179.3	205.4
Environmental sci, n.e.c.	80.8	111.6	143.0	161.7	173.3	68.4	78.7	80.0	72.9	69.0	67.9
Math & computer sci, total	76.0	112.5	118.5	106.1	124.7	138.6	185.0	211.3	199.5	314.9	322.0
Mathematics	26.7	44.3	37.5	24.2	24.1	38.6	37.3	32.6	37.1	53.4	42.1
Computer sciences	47.0	58.3	67.0	63.3	82.4	69.3	103.5	124.1	109.7	164.2	171.0
Math & computer sci, n.e.c.	2.3	9.9	14.1	18.6	18.2	30.7	44.3	54.6	52.7	97.3	108.9
Engineering, total	1,795.9	1,775.2	2,028.6	2,137.0	2,364.9	2,545.4	2,776.1	2,827.5	2,779.1	2,733.4	2,770.4
Aeronautical	494.8	359.3	400.0	536.5	604.0	596.3	614.7	679.9	634.9	546.5	549.3
Astronautical	167.5	148.8	150.2	226.0	275.1	270.8	245.9	271.1	344.4	383.2	474.4
Chemical	69.8	80.8	125.3	89.7	70.2	116.3	59.9	94.6	88.9	179.9	172.8
Civil	98.1	107.0	131.6	110.8	136.8	135.8	169.9	156.0	161.0	173.0	157.8
Electrical	244.6	327.6	375.2	355.8	446.6	478.2	518.6	519.1	499.7	481.9	518.1
Mechanical	165.6	169.5	204.7	160.0	165.8	157.3	148.1	205.7	126.3	178.8	153.0
Metallurgy & materials	171.6	168.9	151.4	98.2	114.8	117.5	153.2	149.6	153.7	227.4	216.6
Engineering, n.e.c.	383.7	413.3	490.2	560.0	551.6	673.4	865.7	751.4	770.1	562.8	528.5
Social sciences, total	306.0	330.6	365.1	397.6	376.6	360.5	265.7	297.5	303.8	319.3	302.0
Anthropology	7.2	4.3	7.6	4.9	2.9	1.5	1.5	1.6	1.7	2.1	2.4
Economics	111.9	113.8	129.6	149.2	152.8	172.6	118.2	124.6	117.6	125.4	105.0
Political science	4.2	5.9	5.6	9.8	4.8	4.5	3.2	6.6	6.7	8.9	7.5
Sociology	37.0	36.2	41.7	46.1	46.1	42.4	33.3	35.0	36.3	34.0	37.0
Social sciences, n.e.c.	145.6	170.3	180.6	187.6	170.1	139.5	109.6	129.8	141.4	148.9	150.2
Other sciences, n.e.c.	135.4	153.6	170.4	236.6	285.7	313.5	231.0	247.1	261.7	242.2	260.9

NOTE: Because of rounding, detail may not add to totals

KEY: NA = Not applicable (indicates that the data collected for this table were not recorded at that level in that particular fiscal year)
n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development, Fiscal Years 1995, 1996, and 1997

**Table C-107a. Federal obligations for applied research, by detailed field of science and engineering:
fiscal years 1987-97**

[Dollars in millions]

Page 1 of 1

Field of science and engineering	1987	1988	1989	1990	1991	1992	1993	1994	1995	Preliminary	
										1996	1997
Total, all fields	8,998.1	9,176.5	10,163.5	10,336.8	11,797.6	12,000.7	13,491.4	13,887.5	14,677.9	14,095.7	14,441.3
Life sciences, total	2,979.5	3,222.7	3,579.4	3,652.3	4,188.4	4,068.8	4,483.3	4,812.0	5,224.1	5,254.0	5,256.2
Biol & agricultural, total	1,488.1	1,718.0	1,917.2	1,959.4	2,223.0	2,116.0	2,271.5	2,350.8	2,572.7	NA	NA
Biol (excl environmental)	1,040.5	1,266.8	1,336.0	1,402.5	1,543.4	1,398.4	1,508.1	1,545.0	1,605.2	NA	NA
Environmental biology	148.6	154.2	210.5	174.0	272.8	309.4	333.3	387.8	601.7	NA	NA
Agricultural	299.1	297.0	370.7	382.9	406.8	408.2	430.1	418.1	365.8	NA	NA
Medical sciences	1,323.8	1,367.8	1,514.1	1,532.7	1,602.6	1,778.9	2,023.5	2,251.8	2,364.0	NA	NA
Life sciences, n.e.c.	167.6	136.9	148.1	160.2	362.9	173.9	188.2	209.3	287.4	NA	NA
Psychology, total	222.4	212.0	234.5	233.5	256.9	175.6	303.9	302.2	345.2	352.7	355.9
Biological aspects	49.1	52.9	60.8	65.3	72.0	20.3	19.1	23.3	28.1	NA	NA
Social aspects	108.9	108.4	111.8	116.5	128.2	84.1	118.7	100.5	134.1	NA	NA
Psychological sci, n.e.c.	64.4	50.7	61.9	51.7	56.7	71.2	166.1	178.4	183.1	NA	NA
Physical sciences, total	1,156.6	1,117.7	1,198.8	1,147.2	1,353.9	1,487.7	1,519.8	1,426.5	1,418.5	1,161.7	1,212.6
Astronomy	17.7	12.3	17.3	17.2	19.3	9.4	22.8	22.8	32.9	NA	NA
Chemistry	235.2	232.3	278.0	259.6	289.7	339.6	299.5	334.2	309.1	NA	NA
Physics	781.4	769.8	795.5	780.6	816.0	970.7	1,037.7	940.9	943.8	NA	NA
Physical sciences, n.e.c.	122.4	103.3	108.0	89.8	228.9	168.1	159.8	128.7	132.7	NA	NA
Environmental sciences, total	730.6	734.3	756.3	899.3	886.3	904.0	1,075.0	1,321.7	1,474.2	1,411.4	1,459.1
Atmospheric sciences	309.1	307.1	271.6	329.7	353.7	332.0	349.0	396.7	482.1	NA	NA
Geological sciences	175.6	174.3	207.8	221.4	229.7	209.2	242.6	350.1	410.5	NA	NA
Oceanography	177.6	190.9	198.4	220.4	201.0	248.9	260.2	306.6	238.1	NA	NA
Environmental sci, n.e.c.	68.3	61.9	78.5	127.8	101.7	113.8	223.3	268.3	343.5	NA	NA
Math & computer sci, total	334.3	329.6	389.7	433.9	477.6	678.9	714.1	779.9	976.9	910.5	941.5
Mathematics	46.1	52.5	68.3	65.0	63.2	90.5	68.9	94.7	94.6	NA	NA
Computer sciences	169.3	167.2	205.1	336.9	361.4	524.0	541.8	567.9	697.6	NA	NA
Math & computer sci, n.e.c.	118.9	109.9	116.3	31.9	52.9	64.3	103.4	117.3	184.7	NA	NA
Engineering, total	2,916.8	2,950.2	3,258.4	3,125.1	3,710.8	3,727.1	4,292.0	4,189.0	4,272.0	4,116.0	4,254.5
Aeronautical	573.0	570.8	658.9	657.5	760.0	629.5	946.8	946.8	977.6	NA	NA
Astronautical	575.9	526.9	618.5	518.5	583.4	536.0	440.4	439.3	480.4	NA	NA
Chemical	138.3	169.5	92.2	166.0	202.6	192.5	172.7	167.3	184.9	NA	NA
Civil	158.7	168.7	178.1	270.4	245.7	276.9	213.3	239.8	269.3	NA	NA
Electrical	610.9	577.1	669.3	493.1	587.4	593.6	678.4	536.1	552.3	NA	NA
Mechanical	146.2	157.2	156.5	176.9	220.0	223.4	324.3	236.5	248.2	NA	NA
Metallurgy & materials	152.2	226.6	266.2	294.3	416.1	453.6	454.3	521.2	447.3	NA	NA
Engineering, n.e.c.	561.6	553.3	618.8	548.4	695.4	821.6	1,061.7	1,102.0	1,112.1	NA	NA
Social sciences, total	350.5	339.0	396.4	484.0	566.0	549.8	480.8	463.3	472.0	454.8	500.9
Anthropology	2.9	2.2	1.8	1.9	3.3	3.1	3.7	6.6	6.6	NA	NA
Economics	119.6	124.8	129.1	160.1	150.1	172.3	158.7	154.9	161.8	NA	NA
Political science	5.8	7.1	8.1	6.8	10.0	16.1	22.8	20.6	15.2	NA	NA
Sociology	39.6	45.0	55.9	92.0	155.7	70.5	65.6	55.0	33.5	NA	NA
Social sciences, n.e.c.	182.6	159.9	201.6	223.3	246.9	287.9	229.9	226.2	254.9	NA	NA
Other sciences, n.e.c.	307.4	271.0	350.0	361.5	357.8	408.8	622.4	592.8	494.9	434.5	460.7

NOTES: Because of rounding, detail may not add to totals.

The National Aeronautics and Space Administration has made a statistical adjustment to the 1994, 1995, 1996, and 1997 field of science and engineering values to diminish a computational error introduced by its software.

KEY: NA = Not applicable (indicates that the data collected for this table were not recorded at that level in that particular fiscal year)
n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation SRS, Survey of Federal Funds for Research and Development, Fiscal Years 1995, 1996, and 1997

**Table C-108. Federal obligations for research and development, by State:
fiscal years 1976-86**

(Dollars in millions)

Page 1 of 1

State	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Total	20,247.4	22,841.1	25,077.7	27,084.2	28,627.3	31,929.6	35,361.6	37,627.8	41,148.5	47,214.8	50,310.2
Alabama	374.4	414.7	432.0	516.9	455.7	493.5	561.5	671.7	792.6	896.6	1,188.2
Alaska	37.6	38.1	48.7	45.9	42.5	51.8	40.0	40.4	47.7	51.5	49.4
Arizona	122.5	142.5	163.4	201.4	334.6	367.7	264.5	469.3	383.9	458.2	398.1
Arkansas	26.5	24.3	42.4	37.3	30.0	31.2	43.5	31.4	35.0	39.7	40.5
California	5,496.1	5,785.5	5,839.2	6,338.6	6,097.7	7,049.7	8,888.3	8,194.9	8,995.8	10,771.8	11,512.3
Colorado	248.6	324.2	393.2	442.2	573.7	632.8	556.6	436.2	531.6	629.2	1,636.4
Connecticut	239.4	291.8	299.8	328.4	470.3	485.0	439.6	743.3	675.9	742.8	577.3
Delaware	8.0	15.3	11.1	14.4	20.8	25.9	34.6	20.4	63.7	34.7	30.2
District of Columbia	570.3	728.1	790.2	768.4	807.0	921.0	954.6	1,196.1	1,796.0	2,077.7	2,324.0
Florida	788.3	872.5	890.1	913.1	1,120.8	1,373.7	1,776.4	1,276.0	1,138.1	1,205.2	1,448.0
Georgia	92.3	111.2	155.7	184.4	169.8	195.0	217.3	237.2	245.5	291.8	250.5
Hawaii	45.5	36.9	44.6	40.8	42.6	49.9	44.5	71.4	52.9	58.2	54.7
Idaho	72.7	119.8	107.0	147.1	147.7	119.5	127.0	223.4	195.2	259.7	266.6
Illinois	414.3	517.2	564.3	547.2	599.9	572.6	543.0	567.5	675.6	772.8	745.0
Indiana	92.4	102.8	108.1	122.0	162.4	170.1	186.2	213.6	236.0	227.7	295.1
Iowa	48.5	60.1	68.3	84.9	121.7	147.4	136.3	95.2	134.5	150.3	224.3
Kansas	32.1	36.3	106.6	136.3	353.6	471.0	637.7	97.4	101.9	138.1	112.7
Kentucky	51.0	56.6	62.1	43.0	107.9	101.0	97.2	93.1	56.5	69.2	59.1
Louisiana	126.1	156.5	162.7	209.1	196.3	331.8	236.8	186.6	129.7	118.8	92.4
Maine	15.6	18.3	25.4	23.1	25.9	24.4	23.9	29.3	38.1	36.7	35.6
Maryland	1,811.2	1,991.4	2,091.0	2,299.8	2,465.0	2,585.1	2,850.2	3,412.4	3,917.9	4,371.6	4,512.5
Massachusetts	1,284.9	1,472.0	1,689.3	2,055.6	2,047.7	2,407.1	2,775.2	2,559.3	2,882.6	3,276.7	3,240.3
Michigan	222.2	316.6	367.8	264.4	377.5	357.2	376.7	412.5	479.4	502.1	460.5
Minnesota	153.3	186.5	177.7	202.8	261.6	309.0	378.6	448.2	636.8	718.7	515.4
Mississippi	71.6	95.4	87.1	100.7	109.3	125.5	125.7	185.8	145.5	172.4	143.4
Missouri	404.3	639.6	827.3	778.9	801.6	820.4	911.3	576.8	659.5	694.2	677.8
Montana	29.8	47.8	27.5	41.6	45.7	45.4	42.7	35.0	26.6	26.0	26.4
Nebraska	21.4	24.5	33.5	31.3	31.6	31.7	32.0	42.3	33.0	34.6	41.1
Nevada	179.7	184.3	196.7	222.1	214.5	263.0	376.3	647.1	440.5	490.4	462.6
New Hampshire	34.7	32.6	68.7	94.1	50.2	54.8	50.8	76.8	116.4	130.3	136.0
New Jersey	495.7	566.3	522.5	649.3	729.4	775.4	887.9	1,293.4	1,550.0	1,791.8	1,781.4
New Mexico	626.3	751.4	987.4	955.5	954.2	1,224.1	1,322.6	1,804.9	2,104.8	2,368.6	2,500.0
New York	1,107.4	1,203.8	1,284.1	1,362.2	1,468.8	1,557.7	1,692.5	2,523.2	2,493.4	3,128.4	3,163.5
North Carolina	139.1	154.7	192.3	220.9	227.7	259.8	272.7	312.5	378.3	485.7	497.7
North Dakota	14.8	19.3	28.3	33.4	38.7	40.1	36.5	27.2	37.8	32.7	27.2
Ohio	627.8	694.8	858.3	1,053.2	1,054.7	1,117.2	1,024.8	1,170.1	1,366.5	1,520.5	1,591.7
Oklahoma	32.1	48.2	105.0	70.1	94.5	82.4	65.6	67.9	65.5	81.3	69.8
Oregon	84.6	84.9	95.3	100.1	97.9	105.6	106.3	108.0	137.8	151.6	127.6
Pennsylvania	836.0	837.5	995.7	1,099.9	1,059.4	1,082.9	1,131.5	1,173.3	1,142.2	1,329.6	1,301.3
Rhode Island	101.8	110.1	120.3	140.7	149.9	182.5	242.1	267.5	306.1	334.3	392.7
South Carolina	30.8	67.2	118.3	114.3	87.5	96.1	98.7	104.6	119.8	119.9	122.5
South Dakota	7.3	8.5	9.1	10.2	9.9	10.2	19.0	12.4	14.0	14.4	14.6
Tennessee	388.2	546.3	644.3	644.1	722.9	883.6	702.3	435.5	546.7	556.3	591.3
Texas	837.2	819.4	1,003.8	1,000.1	908.6	1,031.7	1,054.3	1,412.6	1,473.8	1,664.6	1,912.0
Utah	101.5	133.2	161.8	211.6	243.9	305.7	287.9	268.9	232.4	250.9	274.6
Vermont	39.7	36.6	23.7	16.7	36.6	18.7	35.7	23.7	33.8	36.1	41.1
Virginia	751.5	780.2	857.1	945.1	1,059.3	1,066.4	1,268.1	2,286.1	2,247.2	2,472.4	2,810.0
Washington	705.6	879.1	878.3	864.7	951.8	1,047.5	1,038.9	709.3	881.8	1,036.5	1,153.9
West Virginia	37.2	50.6	73.3	107.2	152.0	151.2	91.0	82.5	73.3	66.5	88.7
Wisconsin	82.8	94.8	111.9	111.0	121.7	132.2	129.4	142.4	166.0	200.8	181.9
Wyoming	19.4	24.2	40.8	41.0	53.9	58.2	25.4	28.4	34.0	25.1	14.5
Outlying areas	22.4	47.8	38.7	39.4	45.3	38.9	40.7	32.0	44.9	62.8	36.8
Offices abroad	43.0	38.6	45.9	57.7	73.5	47.2	59.0	51.0	34.6	35.9	59.2

NOTES: For each year, the data shown include the obligations of the 10 or 11 major R&D-supporting agencies which were requested to report to this section of the survey in that year, and represent 96 percent or more of the total Federal R&D obligations in that year.

Although the nongeographic historical tables incorporate corrections to previously reported data that have been submitted by the reporting agencies, corresponding corrections to the geographic distributions are rarely obtainable.

Because of rounding, detail may not add to totals.

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development, Fiscal Years 1995, 1996, and 1997.

**Table C-108a. Federal obligations for research and development, by State:
fiscal years 1987-95**

[Dollars in millions]

Page 1 of 1

State	1987	1988	1989	1990	1991	1992	1993	1994	1995
Total	54,067.4	55,471.0	59,485.0	62,105.2	59,865.4	64,089.7	65,743.8	65,842.9	67,246.8
Alabama	1,346.4	1,363.7	1,646.7	1,805.4	1,863.2	2,151.7	2,149.4	1,818.4	2,016.3
Alaska	48.8	50.5	71.3	90.7	102.7	93.0	92.7	157.3	96.9
Arizona	414.9	369.4	501.2	591.7	516.8	638.2	535.3	795.1	915.1
Arkansas	52.3	56.4	57.0	85.7	85.9	68.8	79.2	88.9	97.7
California	13,672.2	14,895.9	15,919.4	16,249.3	14,488.3	15,999.1	14,883.7	11,279.9	12,703.6
Colorado	1,516.3	1,408.4	1,618.1	1,888.3	2,694.2	1,479.2	1,343.4	1,353.4	965.1
Connecticut	672.2	619.5	596.7	509.8	672.7	578.3	522.2	733.5	902.3
Delaware	32.3	36.0	31.9	28.3	41.8	43.1	56.2	50.4	56.4
District of Columbia	2,209.2	2,925.3	1,914.9	1,593.1	1,943.7	2,185.2	2,488.8	2,474.8	2,805.1
Florida	2,297.3	2,133.4	2,269.8	2,343.4	2,181.1	2,832.3	2,775.3	2,906.3	2,403.9
Georgia	352.1	350.4	392.5	364.1	466.5	2,512.6	3,035.3	5,544.4	4,365.8
Hawaii	63.9	82.2	97.4	100.0	112.6	150.7	113.0	140.3	480.4
Idaho	232.7	250.1	195.9	326.1	279.1	299.5	303.7	227.8	211.1
Illinois	827.3	850.7	909.1	957.2	959.4	921.9	963.8	1,080.0	1,116.1
Indiana	339.4	312.1	392.5	363.6	378.7	367.0	513.6	403.6	426.2
Iowa	162.4	197.1	190.9	186.7	209.8	194.7	215.8	223.8	214.3
Kansas	94.2	126.7	128.8	116.4	83.6	91.2	87.9	84.8	120.8
Kentucky	61.9	68.5	73.0	96.5	122.4	71.7	86.7	88.6	75.7
Louisiana	107.4	101.3	179.6	121.2	163.6	169.6	152.6	205.1	176.3
Maine	178.6	39.8	67.7	39.7	57.1	60.6	65.2	80.9	54.5
Maryland	4,036.3	4,355.3	4,849.0	5,332.1	5,569.0	5,779.7	7,238.5	6,653.0	7,039.2
Massachusetts	3,910.8	2,702.0	2,882.5	2,982.8	3,146.8	3,227.9	3,551.7	3,234.1	3,339.5
Michigan	463.3	417.5	686.2	810.8	772.6	876.3	878.0	770.2	688.4
Minnesota	506.6	576.8	597.3	529.8	455.7	456.4	445.5	474.4	571.1
Mississippi	184.4	185.1	198.7	471.7	230.6	255.7	259.8	255.7	212.7
Missouri	614.7	637.6	1,241.9	1,064.3	587.9	733.5	726.3	2,271.7	1,613.3
Montana	30.1	35.5	36.2	30.9	45.8	71.5	69.1	56.4	64.8
Nebraska	48.9	52.1	51.2	76.4	76.1	71.1	78.5	85.2	86.8
Nevada	462.0	443.3	427.5	484.7	496.0	465.8	406.2	347.7	372.6
New Hampshire	83.6	60.8	98.0	145.1	196.3	156.1	237.6	218.9	213.6
New Jersey	1,114.9	1,209.3	1,320.4	1,601.6	1,698.3	1,646.8	1,422.8	1,391.9	1,325.9
New Mexico	1,998.2	2,296.1	2,220.4	2,311.3	2,018.7	2,211.3	2,309.6	1,894.1	1,987.1
New York	2,941.8	2,688.7	2,904.1	2,960.8	3,086.6	3,058.7	2,538.0	2,698.7	2,581.4
North Carolina	583.8	625.0	562.8	618.6	673.8	700.7	719.1	734.3	825.4
North Dakota	29.4	32.5	33.3	53.1	43.7	54.2	50.3	49.6	47.3
Ohio	1,862.9	1,865.2	1,938.8	2,088.5	1,729.9	1,863.4	1,921.7	1,734.4	1,811.4
Oklahoma	99.4	103.7	117.6	162.6	131.5	126.1	117.9	141.5	159.4
Oregon	133.9	170.3	168.4	175.6	216.5	226.5	229.4	279.2	277.2
Pennsylvania	1,681.9	1,731.6	1,961.9	2,074.6	2,125.8	1,794.4	2,566.5	1,980.5	2,414.3
Rhode Island	365.4	335.6	314.1	391.1	433.8	386.3	495.6	433.5	515.4
South Carolina	123.7	148.7	222.6	230.9	250.4	172.1	173.2	198.5	178.0
South Dakota	12.8	13.1	15.0	15.7	22.5	23.9	26.9	26.5	26.5
Tennessee	732.0	567.2	576.0	825.0	732.2	666.0	674.4	675.6	582.0
Texas	2,261.3	2,514.9	3,189.2	3,496.8	2,321.4	2,873.0	2,546.2	3,658.3	4,062.2
Utah	427.3	462.0	517.8	437.7	429.1	314.0	298.8	325.7	371.2
Vermont	39.6	55.9	60.1	42.5	56.1	51.3	62.1	47.9	53.6
Virginia	2,292.5	2,729.1	2,778.0	2,733.5	2,909.0	3,231.3	3,402.6	3,729.7	3,603.0
Washington	1,878.8	1,765.6	1,766.2	1,567.0	1,241.1	900.5	878.1	950.2	1,127.8
West Virginia	115.8	113.4	104.0	116.6	177.9	166.4	206.2	212.9	296.3
Wisconsin	204.8	223.2	263.5	271.7	294.5	307.7	350.8	349.6	347.1
Wyoming	23.5	29.0	38.5	57.4	29.8	41.4	48.2	36.6	35.2
Outlying areas	42.9	33.0	45.7	54.9	221.7	246.9	332.7	166.3	165.7
Puerto Rico	NA	NA	NA	NA	NA	NA	NA	50.5	46.7
Other Areas	NA	NA	NA	NA	NA	NA	NA	115.8	119.0
Offices abroad	78.2	54.2	43.4	31.7	21.0	24.4	17.8	23.1	48.0

NOTES: For each year, the data shown include the obligations of the 10 or 11 major R&D-supporting agencies which were requested to report to this section of the survey in that year, and represent 96 percent or more of the total Federal R&D obligations in that year.

Although the nongeographic historical tables incorporate corrections to previously reported data that have been submitted by the reporting agencies, corresponding corrections to the geographic distributions are rarely obtainable.

Because of rounding, detail may not add to totals.

KEY: NA = Not applicable (indicates that the data collected for this table were not recorded at that level in that particular fiscal year)

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

**Table C-109. Federal obligations for R&D plant, by State:
fiscal years 1976-86**

[Dollars in millions]

Page 1 of 1

State	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Total	799.2	1,334.0	1,262.0	1,393.8	1,533.1	1,454.4	1,380.1	1,280.9	1,770.6	1,774.7	1,482.5
Alabama	12.3	5.3	6.5	2.6	47.9	16.5	5.8	6.0	26.4	41.4	41.2
Alaska	8	6	7	8	1	-	-	21.3	1	12.9	0
Arizona	2.7	1.6	33.9	35.3	1.8	4	4	5.4	3.6	2.9	1.7
Arkansas	9	2.8	9	2	7	7	1.0	1.5	5	5	9
California	147.3	303.3	259.5	400.2	377.4	355.4	334.6	368.4	316.8	404.2	323.5
Colorado	12.0	12.7	11.6	9.7	35.6	26.9	16.6	43.9	52.3	32.4	16.3
Connecticut	1.9	3.9	2.3	12.3	1.0	9.2	25.1	5.5	5.2	8.4	1.2
Delaware	0	-	-	0	7	1.6	1	4	6	4	4
District of Columbia	21.4	11.3	11.1	22.0	14.3	31.7	33.6	24.6	62.4	92.5	28.0
Florida	76.3	155.2	81.1	46.0	46.7	25.5	31.8	37.2	91.2	42.8	53.2
Georgia	2	1.2	1.8	1.0	6	1.6	1.5	2.1	3.8	2.6	15.6
Hawaii	2.8	5	7	5	2	7	1	1.6	6	9	6
Idaho	19.7	26.1	35.6	41.8	45.1	11.9	21.4	19.7	11.9	8.3	24.7
Illinois	45.2	52.0	72.9	61.9	71.5	74.1	74.3	80.3	81.2	110.1	96.6
Indiana	8	6	4	7	7	9	6	1.3	2.8	4.5	5
Iowa	1.1	1.5	2.3	2.2	2.9	2.1	2.2	2.7	3.5	1.4	3.3
Kansas	1	1	2	-	1	1	1	2	3	2.3	41.0
Kentucky	0	0	-	2.9	-	4.3	1.4	4	3	3	3
Louisiana	2.3	3.6	20.9	16.7	12.6	14.1	22.2	2.4	2.6	2.0	2.2
Maine	-	1	1	1	-	-	-	-	-	-	-
Maryland	36.7	80.4	82.7	64.3	53.3	52.3	82.2	80.8	180.1	145.4	78.6
Massachusetts	14.0	24.4	28.7	36.9	20.4	35.7	23.3	29.4	62.8	66.1	17.7
Michigan	2.0	1.1	1.9	3.0	8.3	9.5	7.8	1.1	6.4	5.1	1.2
Minnesota	5	4	1.2	8	3	5	4	8	3.1	8	1.1
Mississippi	4.1	11.5	6.0	3.8	6.6	3.4	5.9	6.4	13.7	12.6	13.5
Missouri	5	9	1.2	5.6	40.9	1.8	5.7	6.0	3.9	3.7	4.7
Montana	1	8	-	1.2	3.7	1	1	2	2	2	2
Nebraska	1.0	2	3	8	2.1	6	7	5	7	4	7.3
Nevada	11.7	14.8	18.5	24.2	22.4	82.9	30.0	33.0	108.4	155.2	69.9
New Hampshire	2.0	2.4	1.3	5.4	-	7.7	1	7	1	4	3
New Jersey	22.1	64.8	96.7	64.8	60.5	55.7	57.0	42.0	52.7	40.1	37.6
New Mexico	76.6	137.9	101.7	138.6	169.5	119.3	196.6	191.8	102.3	243.7	192.0
New York	37.5	61.0	63.8	69.4	91.4	85.1	65.0	77.0	175.0	75.3	105.0
North Carolina	6	66.8	3.5	3.9	8.2	1.2	1.4	4.1	3.6	10.4	2.2
North Dakota	5	6	2.3	1.4	4.1	1.4	1.2	9	9	1.3	8.8
Ohio	13.6	60.4	23.9	28.0	40.3	65.2	23.7	7.5	49.6	46.5	19.2
Oklahoma	2	4	1.0	6	3.2	2.7	1.2	1.3	9	1.7	2.3
Oregon	2.0	-	2.6	9	3.9	1.0	1	2	3.4	1.2	12.0
Pennsylvania	11.0	8.1	28.8	46.5	35.5	95.2	51.1	19.2	20.1	18.7	19.0
Rhode Island	4.5	5.3	2.4	3.5	2.6	1.6	2.1	1.9	7	31.6	5.5
South Carolina	3.3	2.2	6.9	9.7	3.1	18.8	65.2	49.6	146.4	7.5	5.7
South Dakota	0	-	1	1.6	3.1	7	9	2	1	1	-
Tennessee	60.5	37.8	43.4	55.8	80.1	85.5	65.2	27.3	69.9	33.8	30.8
Texas	7.8	10.4	11.8	9.7	14.2	13.9	10.2	4.7	9.6	19.4	79.7
Utah	8	1.5	8.0	2.9	1.9	1.5	3.1	5	2.0	2.4	13.6
Vermont	0	0	0	-	0	-	0	0	0	0	0
Virginia	11.6	24.7	29.3	42.0	41.5	33.9	21.1	29.4	52.2	26.7	45.5
Washington	103.1	113.4	118.3	86.8	128.2	89.0	80.8	12.0	13.6	32.7	26.4
West Virginia	16.7	16.7	17.0	13.1	12.9	3.7	1.1	23.3	4.8	11.4	10.2
Wisconsin	4.9	5	9.6	2.9	2.5	3.0	1.0	1.9	10.2	5.6	2.7
Wyoming	2	3	9	1.2	4.3	2.0	1.2	1	3	1	1
Outlying areas	3	1	1.7	5	2.9	7	5	2	3.3	1.4	13.9
Offices abroad	1.0	1.9	3.9	7.1	1.1	1.3	1.4	1.7	3.5	2.3	4.5

NOTES: For each year, the data shown include the obligations of the 10 or 11 major R&D-supporting agencies which were requested to report to this section of the survey in that year, and represent 96 percent or more of the total Federal R&D obligations in that year.

Although the nongeographic historical tables incorporate corrections to previously reported data that have been submitted by the reporting agencies, corresponding corrections to the geographic distributions are rarely obtainable.

Because of rounding, detail may not add to totals.

KEY: - = Amount less than 50 thousand dollars

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development, Fiscal Years 1995, 1996, and 1997

**Table C-109a. Federal obligations for R&D plant, by State:
fiscal years 1987-95**

[Dollars in millions]

Page 1 of 1

State	1987	1988	1989	1990	1991	1992	1993	1994	1995
Total	1,793.8	2,025.1	2,144.3	2,230.1	2,807.0	2,962.9	3,054.5	2,152.0	2,215.6
Alabama	42.8	51.8	47.2	109.7	165.0	346.1	368.2	94.1	44.1
Alaska	.0	6.4	.0	11.1	.2	.8	1.0	88.0	1.4
Arizona	19.6	21.8	18.1	2.5	16.4	7.9	16.9	20.8	42.7
Arkansas	5	4	3.1	2.2	5.3	4.4	3.3	3.9	3.9
California	290.7	429.0	446.7	459.0	377.8	356.1	469.6	209.5	414.8
Colorado	12.8	53.5	62.5	32.3	50.7	55.6	30.0	36.9	31.2
Connecticut	4	1.0	1.4	1.8	2.6	2.6	14.4	3.8	5.2
Delaware	4	1.3	2	-	-	1	2.1	1.1	1.9
District of Columbia	24.1	15.4	17.1	7.4	16.3	17.8	13.3	11.2	3.0
Florida	64.6	86.0	100.0	68.3	132.1	143.1	73.5	101.7	41.5
Georgia	23.1	2.7	10.8	3.6	6.0	6.4	3.5	5.3	12.4
Hawaii	6	6.9	4	1.4	9.2	6.5	19.3	14.3	5
Idaho	17.8	39.6	12.0	30.3	46.0	39.6	27.4	12.5	8.9
Illinois	94.3	76.7	94.9	116.3	319.7	183.9	201.6	208.5	190.2
Indiana	5.8	1.9	1.5	1.3	5.0	8.4	22.6	4.1	4.8
Iowa	22.7	3.8	6.2	10.4	26.1	5.2	7.9	10.1	15.5
Kansas	49.8	1	1.6	3.1	5.2	2.5	10.1	10.6	1.2
Kentucky	1.7	1	5	7	1.6	0	0	3.9	4.7
Louisiana	2.5	31.9	47.2	33.6	26.1	26.2	29.5	21.0	21.6
Maine	-	3	1	7	7	1.5	1.0	1.9	7
Maryland	109.8	79.2	120.1	178.9	235.9	229.7	264.6	196.2	390.4
Massachusetts	36.3	94.2	54.7	78.2	32.5	20.2	22.3	15.8	23.1
Michigan	1.4	4.4	4.6	6.6	3.0	9.1	21.7	4.5	4.6
Minnesota	4	7	1.8	1.1	2.1	2.5	3.0	2.2	5.1
Mississippi	39.1	19.1	41.1	47.4	50.8	41.6	42.2	31.9	36.6
Missouri	4.8	2.7	3.7	1.9	6.5	1.7	1.5	4.7	4.6
Montana	2	2	2	5	1.6	2.7	1.6	3.6	4.9
Nebraska	1.4	4.1	2.8	4.1	6.0	5.7	1.0	1.0	2.3
Nevada	87.0	103.3	69.3	61.1	57.7	59.7	50.2	26.9	38.5
New Hampshire	2	-	2	3	3	4.0	.8	3	-
New Jersey	39.8	52.6	46.8	51.3	30.0	39.0	53.2	45.3	35.3
New Mexico	256.6	231.4	239.6	197.9	175.5	164.7	181.4	152.6	133.8
New York	113.4	115.3	101.6	100.6	107.2	194.5	177.7	183.1	159.1
North Carolina	3.4	9	4.3	3.4	7.4	6.8	36.6	40.0	25.8
North Dakota	8	9.2	6.0	7.4	9.0	7.4	5.5	5.8	4.9
Ohio	58.1	68.5	69.8	56.3	115.4	122.2	64.1	124.1	147.6
Oklahoma	9	10.7	4.5	1.5	3.3	4.1	1.0	1.9	2.8
Oregon	24.7	8.6	30.1	12.3	3.3	1.8	13.8	6.5	5.2
Pennsylvania	41.4	56.3	79.0	36.0	89.5	52.0	95.7	65.0	35.4
Rhode Island	6.4	2.0	1.6	8	14.3	1.9	6	6	7.3
South Carolina	19.6	8.2	8.9	3.7	31.9	4.1	4.9	14.7	2.7
South Dakota	1	6	3	1.7	2.0	1.5	1.0	5.6	4.3
Tennessee	29.3	57.2	58.8	62.4	63.2	48.1	29.5	77.4	37.1
Texas	75.1	40.7	97.6	210.6	218.0	465.7	429.1	56.6	84.3
Utah	14.2	6.8	12.1	2.5	3.5	1.5	3.5	6.7	5.3
Vermont	1.0	8.0	1.4	4	8	0	1	6	-
Virginia	89.4	105.5	127.4	128.7	175.5	172.4	131.0	126.6	81.2
Washington	24.8	31.2	35.5	44.2	34.5	54.3	71.6	71.5	64.3
West Virginia	16.5	23.2	26.7	12.4	89.4	9.7	8.4	4.8	5.4
Wisconsin	4.0	2.0	4.0	4.4	13.0	10.2	8.0	9.6	9.6
Wyoming	.3	2	.1	2	7	1.8	6	1.8	1.5
Outlying areas	18.2	46.5	1.5	14.9	11.0	6.9	13.1	5	1.4
Puerto Rico	NA	NA	NA	NA	NA	NA	NA	4	.3
Other Areas	NA	NA	NA	NA	NA	NA	NA	-	1.1
Offices abroad	1.0	.9	16.8	.3	5	6	6	7	1.3

NOTES: For each year, the data shown include the obligations of the 10 or 11 major R&D-supporting agencies which were requested to report to this section of the survey in that year, and represent 96 percent or more of the total Federal R&D obligations in that year.

Although the nongeographic historical tables incorporate corrections to previously reported data that have been submitted by the reporting agencies, corresponding corrections to the geographic distributions are rarely obtainable.

Because of rounding, detail may not add to totals.

KEY: - = Amount less than 50 thousand dollars
NA = Not applicable (indicates that the data collected for this table were not recorded at that level in that particular fiscal year)

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

APPENDIX A.

AGENCIES INCLUDED IN THIS SURVEY,
VOLUMES 26 TO 45

**Table A-1. Agencies included in the Survey of Federal Funds for
Research and Development: Volumes 26-35**

Page 1 of 4

Agency	Vol 26	Vol 27	Vol 28	Vol 29	Vol 30	Vol 31	Vol 32	Vol 33	Vol 34	Vol 35
Department of Agriculture	T	T	T	T	T	T	T	T	T	T
Agricultural Cooperative Service	N	N	N	N	X	X	X	X	X	X
Agricultural Marketing Service	O	O	O	X	X	X	X	X	X	X
Agricultural Research Service	N	N	N	N	N	X	X	X	X	X
Animal & Plant Health Inspection Service	N	O	O	O	O	O	O	O	O	O
Cooperative State Research, Education, & Extension Service	N	N	N	N	N	X	X	X	X	X
Economic Research Service	N	N	N	N	N	X	X	X	X	X
Economics, Statistics, & Cooperative Service	T	X	X	X	N	N	N	N	N	N
Economic Research Service	X	N	N	N	N	N	N	N	N	N
Farmer Cooperative Service	X	N	N	N	N	N	N	N	N	N
Statistical Reporting Service	X	N	N	N	N	N	N	N	N	N
Economics & Statistics Service	N	N	N	N	X	N	N	N	N	N
Foreign Agricultural Service	N	N	N	N	N	N	N	N	O	O
Forest Service	X	X	X	X	X	X	X	X	X	X
Grain Inspection Packers & Stockyards Administration	O	O	O	O	O	O	O	O	O	X
Human Nutrition Information Service	N	N	N	N	N	X	X	X	X	X
National Agricultural Statistics Service	O	N	N	N	N	X	X	X	X	X
Office of International Cooperation & Development	N	N	N	X	X	X	X	X	X	X
Office of Transportation	N	N	N	X	X	X	X	X	X	X
Rural Business-Cooperative Service	N	N	N	N	N	N	N	N	N	N
Science & Education Administration	T	T	T	T	T	N	N	N	N	N
Agricultural Research Service	X	X	X	X	X	N	N	N	N	N
Cooperative State Research Service	X	X	X	X	X	N	N	N	N	N
National Agricultural Library	X	N	N	N	N	N	N	N	N	N
Department of Commerce	T	T	T	T	T	T	T	T	T	T
Bureau of the Census	X	X	X	X	X	X	X	X	X	X
Economic Development Administration	X	X	X	X	X	X	X	X	X	X
Maritime Administration	X	X	X	X	X	N	N	N	N	N
Minority Business Development Agency	X	X	O	O	O	O	O	O	O	O
National Fire Prevention & Control Administration	X	X	N	N	N	N	N	N	N	N
National Institute of Standards & Technology	X	X	X	X	X	X	X	X	X	X
National Oceanic & Atmospheric Administration	X	X	X	X	X	X	X	X	X	X
National Technical Information Service	X	O	O	O	O	O	O	O	O	O
National Telecommunications & Information Administration	N	X	X	X	X	X	X	X	X	X
Office of Telecommunications	X	N	N	N	N	N	N	N	N	N
Office of the Secretary	O	O	O	X	X	X	X	X	X	X
Patent & Trademark Office	X	X	X	X	X	X	X	O	O	O
Department of Defense	T	T	T	T	T	T	T	T	T	T
Department of the Army, Civil Functions	X	X	X	X	X	X	X	X	X	X
Department of the Army, Military Functions	X	X	X	X	X	X	X	X	X	X
Military Construction	X	X	X	X	X	X	X	X	X	X
Pay & Allowances of Military Personnel in R&D	X	X	X	X	X	X	X	X	X	X
RDT&E Appropriation	X	X	X	X	X	X	X	X	X	X
Special Foreign Currency Program	O	O	O	O	O	O	O	X	X	X
Department of the Navy	X	X	X	X	X	X	X	X	X	X
Military Construction	X	X	X	X	X	X	X	X	X	X
Pay & Allowances of Military Personnel in R&D	X	X	X	X	X	X	X	X	X	X
RDT&E Appropriation	X	X	X	X	X	X	X	X	X	X
Special Foreign Currency Program	X	X	X	X	X	X	X	X	X	X
Department of the Air Force	X	X	X	X	X	X	X	X	X	X
Military Construction	X	X	X	X	X	X	X	X	X	X
Pay & Allowances of Military Personnel in R&D	X	X	X	X	X	X	X	X	X	X

See explanatory information and SOURCE at end of table.

**Table A-1. Agencies included in the Survey of Federal Funds for
Research and Development: Volumes 26-35**

Page 2 of 4

Agency	Vol 26	Vol 27	Vol 28	Vol 29	Vol 30	Vol 31	Vol 32	Vol 33	Vol 34	Vol 35
RDT&E Appropriation.....	X	X	X	X	X	X	X	X	X	X
Defense Agencies.....	X	X	X	X	X	X	X	X	X	X
Ballistic Missile Defense Organization.....	0	0	0	0	0	0	0	0	0	0
Defense Advanced Research Projects Agency.....	0	0	0	0	0	0	0	0	0	0
Defense Information Systems Agency.....	0	0	0	0	0	0	0	0	0	0
Defense Logistics Agency.....	0	0	0	0	0	0	0	0	0	0
Defense Mapping Agency.....	0	0	X	X	X	X	X	0	X	X
Defense Nuclear Agency.....	0	0	0	0	0	0	0	0	0	0
Joint Staff.....	0	0	0	0	0	0	0	0	0	0
Special Operations Command.....	0	0	0	0	0	0	0	X	X	X
Uniformed Services University of the Health Sciences.....	0	0	0	0	0	0	0	0	0	0
Washington Headquarters Services.....	X	X	X	X	X	X	X	X	X	X
Defense Civil Preparedness Agency.....	X	X	X	N	N	N	N	N	N	N
Health Affairs, Assistant Secretary of Defense for.....	N	N	N	N	N	N	N	N	N	N
Operational Test & Evaluation, Director.....	N	N	N	N	N	N	N	N	N	N
Test & Evaluation, Deputy Under Secretary of Defense.....	X	X	X	X	X	X	X	X	X	X
Department of Education.....	N	N	N	X	X	0	X	X	X	X
Department of Energy.....	N	X	X	X	X	X	X	X	X	X
Department of Health, Education, & Welfare.....	T	T	T	N	N	N	N	N	N	N
Alcohol, Drug Abuse, & Mental Health Administration.....	X	X	X	N	N	N	N	N	N	N
Center for Disease Control.....	X	X	X	N	N	N	N	N	N	N
Food & Drug Administration.....	X	X	X	N	N	N	N	N	N	N
Health Care Financing Administration.....	N	X	X	N	N	N	N	N	N	N
Health Resources Administration.....	X	X	X	N	N	N	N	N	N	N
Health Services Administration.....	X	X	X	N	N	N	N	N	N	N
National Institute of Education.....	X	X	X	N	N	N	N	N	N	N
National Institutes of Health.....	X	X	X	N	N	N	N	N	N	N
Office of Assistant Secretary for Education.....	X	X	X	N	N	N	N	N	N	N
Office of Assistant Secretary for Health.....	0	X	X	N	N	N	N	N	N	N
Office of Education.....	X	X	X	N	N	N	N	N	N	N
Office of Human Development Services.....	X	X	X	N	N	N	N	N	N	N
Office of the Secretary.....	X	X	X	N	N	N	N	N	N	N
Social & Rehabilitation Service.....	X	N	N	N	N	N	N	N	N	N
Social Security Administration.....	X	X	X	N	N	N	N	N	N	N
Department of Health & Human Services.....	N	N	N	T	T	T	T	T	T	T
Administration on Aging.....	N	N	N	N	N	N	N	N	N	N
Administration for Children & Families.....	N	N	N	N	N	N	N	N	N	N
Agency for Health Care Policy & Research.....	N	N	N	N	N	N	N	N	N	N
Alcohol, Drug Abuse, & Mental Health Administration.....	N	N	N	X	X	X	X	X	X	X
Centers for Disease Control & Prevention.....	N	N	N	X	X	X	X	X	X	X
Food & Drug Administration.....	N	N	N	X	X	X	X	X	X	X
Health Care Financing Administration.....	N	N	N	X	X	X	X	X	X	X
Health Resources Administration.....	N	N	N	X	X	X	N	N	N	N
Health Resources & Services Administration.....	N	N	N	N	N	N	X	X	X	X
Health Services Administration.....	N	N	N	X	X	X	N	N	N	N
Human Development Services.....	N	N	N	X	X	X	X	X	X	X
National Institutes of Health.....	N	N	N	X	X	X	X	X	X	X
Office of the Assistant Secretary for Health.....	N	N	N	X	X	X	X	X	X	X
Office of the Secretary.....	N	N	N	X	X	X	X	X	X	X
Social Security Administration.....	N	N	N	X	X	X	X	X	X	X
Department of Housing & Urban Development.....	X	X	X	X	X	X	X	X	X	X

See explanatory information and SOURCE at end of table.

**Table A-1. Agencies included in the Survey of Federal Funds for
Research and Development: Volumes 26-35**

Page 3 of 4

Agency	Vol 26	Vol 27	Vol 28	Vol 29	Vol 30	Vol 31	Vol 32	Vol 33	Vol 34	Vol 35
Department of the Interior	T	T	T	T	T	T	T	T	T	T
Bonneville Power Administration	X	0	0	0	0	X	N	N	N	N
Bureau of Land Management	X	X	X	X	X	X	X	X	X	X
Bureau of Mines	X	X	X	X	X	X	X	X	X	X
Bureau of Reclamation	X	X	X	X	X	X	X	X	X	X
Geological Survey	X	X	X	X	X	X	X	X	X	X
Heritage Conservation & Recreation Service	X	X	N	N	N	N	N	N	N	N
Minerals Management Service	N	N	N	N	N	N	X	X	X	X
National Biological Service	N	N	N	N	N	N	N	N	N	N
National Park Service	X	X	X	X	X	X	X	X	X	X
National Resources Library	X	N	N	N	N	N	N	N	N	N
Office of the Secretary	X	X	X	X	X	X	X	X	X	X
Office of Surface Mining Reclamation & Enforcement	N	X	X	X	X	X	X	X	X	X
Office of Water Research & Technology	X	X	X	X	X	X	X	X	X	N
United States Fish & Wildlife Service	X	X	X	X	X	X	X	X	X	X
Department of Justice	T	T	T	T	T	T	T	T	T	T
Bureau of Prisons	X	X	X	X	X	X	X	X	X	X
Drug Enforcement Administration	X	X	X	X	X	X	X	X	X	X
Federal Bureau of Investigation	X	X	X	X	X	X	X	X	X	X
Immigration & Naturalization Service	X	X	X	X	X	X	X	X	X	X
Office of Justice Programs	X	X	X	X	X	X	X	X	X	X
Office of Legal Policy	X	X	X	X	X	X	X	X	X	X
Department of Labor	T	T	T	T	T	T	T	T	T	T
Bureau of Labor Statistics	X	X	X	X	X	X	X	X	X	X
Employment Standards Administration	X	X	X	X	X	X	X	X	X	X
Employment & Training Administration	X	X	X	X	X	X	X	X	X	X
Labor-Management Relations & Cooperative Programs	N	N	N	N	N	N	N	N	X	X
Labor-Management Services Administration	X	X	X	X	X	X	X	X	N	N
Occupational Safety & Health Administration	X	X	X	X	X	X	X	X	X	X
Office of the Secretary	X	X	X	X	X	X	X	X	X	X
Pension Benefit Guaranty Corporation	N	N	N	N	N	X	X	X	X	X
Pension & Welfare Benefits Administration	N	N	N	N	N	N	N	N	X	X
Department of State	T	T	T	T	T	T	X	X	X	X
Agency for International Development	X	X	X	N	N	N	N	N	N	N
Departmental Funds	X	X	X	X	X	X	0	0	0	0
Department of Transportation	T	T	T	T	T	T	T	T	T	T
Coast Guard	X	X	X	X	X	X	X	X	X	X
Federal Aviation Administration	X	X	X	X	X	X	X	X	X	X
Federal Highway Administration	X	X	X	X	X	X	X	X	X	X
Federal Railroad Administration	X	X	X	X	X	X	X	X	X	X
Federal Transit Administration	X	X	X	X	X	X	X	X	X	X
Infrastructure Investment	N	N	N	N	N	N	N	N	N	N
Maritime Administration	N	N	N	N	N	X	X	X	X	X
Materials Transportation Bureau	X	0	0	0	0	0	0	0	0	0
National Highway Traffic Safety Administration	X	X	X	X	X	X	X	X	X	X
Office of the Secretary	X	X	X	X	X	X	X	X	X	X
Research & Special Programs Administration	N	X	X	X	X	X	X	X	X	X
Department of the Treasury	T	T	T	T	T	T	T	T	T	T
Bureau of Alcohol, Tobacco, & Firearms	X	X	X	X	X	X	N	N	N	N
Bureau of Engraving & Printing	X	X	X	X	X	X	X	X	X	X
Financial Crimes Enforcement Network	0	0	0	0	0	0	0	0	0	0
Internal Revenue Service	0	0	X	X	X	X	X	X	X	X

See explanatory information and SOURCE at end of table

Table A-1. Agencies included in the Survey of Federal Funds for Research and Development: Volumes 26-35

Page 4 of 4

Agency	Vol 26	Vol 27	Vol 28	Vol 29	Vol 30	Vol 31	Vol 32	Vol 33	Vol 34	Vol 35
Office of Thrift Supervision	N	N	N	N	N	N	N	N	N	N
United States Customs Service	X	X	X	X	X	X	X	X	X	X
United States Mint	0	0	0	0	0	0	0	0	X	X
United States Secret Service	N	N	N	N	X	X	X	X	X	X
Department of Veterans Affairs	X	X	X	X	X	X	X	X	X	X
Other agencies										
ACTION	X	X	X	X	0	0	0	0	0	0
Advisory Commission on Intergovernmental Relations	X	X	X	X	X	X	X	X	X	X
Appalachian Regional Commission	X	X	X	X	X	X	X	X	X	X
Civil Service Commission	X	X	N	N	N	N	N	N	N	N
Community Services Administration	X	X	X	X	X	X	N	N	N	N
Consumer Product Safety Commission	X	X	X	X	X	X	X	X	X	X
Energy Research & Development Administration	X	N	N	N	N	N	N	N	N	N
Energy Security Trust Fund	N	N	N	X	N	N	N	N	N	N
Environmental Protection Agency	X	X	X	X	X	X	X	X	X	X
Federal Communications Commission	X	X	X	X	X	X	X	X	X	X
Federal Emergency Management Agency	N	N	T	X	X	X	X	X	X	X
Defense Civil Preparedness Agency	N	N	N	0	0	0	0	0	0	0
National Fire Prevention & Control Administration	N	N	X	0	0	0	0	0	0	0
Federal Energy Administration	X	N	N	N	N	N	N	N	N	N
Federal Trade Commission	X	X	X	X	X	X	X	X	X	X
Foundation for Educational Assistance	N	N	N	N	N	X	N	N	N	N
General Services Administration	X	X	X	X	X	X	X	X	X	X
International Development Cooperation Agency	N	N	N	T	T	T	T	T	T	T
Agency for International Development	N	N	N	X	X	X	X	X	X	X
Institute for Scientific & Technological Cooperation	0	0	0	X	0	0	0	0	0	0
Interstate Commerce Commission	X	X	X	X	X	0	0	0	0	0
Library of Congress	X	X	X	X	X	X	X	X	X	X
National Aeronautics & Space Administration	X	X	X	X	X	X	X	X	X	X
National Archives & Records Administration	N	N	N	N	N	N	N	N	N	X
National Science Foundation	X	X	X	X	X	X	X	X	X	X
Nuclear Regulatory Commission	X	X	X	X	X	X	X	X	X	X
Office of Personnel Management	N	N	X	X	X	0	0	0	0	0
Office of Telecommunications Policy	X	N	N	N	N	N	N	N	N	N
Office of Thrift Supervision	X	X	X	X	X	X	X	X	X	X
Small Business Administration	X	X	0	0	0	0	0	0	0	0
Smithsonian Institution	X	X	X	X	X	X	X	X	X	X
Social Security Administration	N	N	N	N	N	N	N	N	N	N
Tennessee Valley Authority	X	X	X	X	X	X	X	X	X	X
United States Arms Control & Disarmament Agency	X	X	X	X	X	X	X	X	X	X
United States Information Agency	X	X	X	X	X	X	X	X	X	X
United States International Trade Commission	X	X	X	X	X	X	X	X	X	X

NOTE: Federal funds data, as collected, always span 3 Government fiscal years: the fiscal year just completed, the current fiscal year, and the President's budget year. Actual data are collected for the year just completed, and estimates are obtained for the current fiscal year and the budget year. For Volume 45 (see table A-2), for example, actual data were collected for FY 1995 and estimates were collected for FY 1996 and FY 1997.

KEY: N = The agency did not exist as such; therefore no data are available.
 0 = The agency existed but had no R&D to report.
 T = The agency existed but data were not collected at this level.
 x = The agency existed and data were collected and submitted by the agency.

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

**Table A-2. Agencies included in the Survey of Federal Funds for
Research and Development: Volumes 36-45**

Page 1 of 4

Agency	Vol 36	Vol 37	Vol 38	Vol 39	Vol 40	Vol 41	Vol 42	Vol 43	Vol 44	Vol 45
Department of Agriculture	T	T	T	T	T	T	T	T	T	T
Agricultural Cooperative Service	X	X	X	X	X	X	X	X	X	N
Agricultural Marketing Service	X	X	X	X	X	X	X	X	X	X
Agricultural Research Service	X	X	X	X	X	X	X	X	X	X
Animal & Plant Health Inspection Service	X	X	X	X	X	X	X	X	X	X
Cooperative State Research, Education, & Extension Service	X	X	X	X	X	X	X	X	X	X
Economic Research Service	X	X	X	X	X	X	X	X	X	X
Economics, Statistics, & Cooperative Service	N	N	N	N	N	N	N	N	N	N
Economic Research Service	N	N	N	N	N	N	N	N	N	N
Farmer Cooperative Service	N	N	N	N	N	N	N	N	N	N
Statistical Reporting Service	N	N	N	N	N	N	N	N	N	N
Economics & Statistics Service	N	N	N	N	N	N	N	N	N	N
Foreign Agricultural Service	0	0	0	0	0	0	0	X	X	X
Forest Service	X	X	X	X	X	X	X	X	X	X
Grain Inspection Packers & Stockyards Administration	X	X	X	X	X	X	X	X	X	X
Human Nutrition Information Service	X	X	X	X	X	X	X	X	X	N
National Agricultural Statistics Service	X	X	X	X	X	X	X	X	X	X
Office of International Cooperation & Development	X	X	X	X	X	X	X	X	X	N
Office of Transportation	X	X	X	N	N	N	N	N	N	N
Rural Business-Cooperative Service	N	N	N	N	N	N	N	N	X	X
Science & Education Administration	N	N	N	N	N	N	N	N	N	N
Agricultural Research Service	N	N	N	N	N	N	N	N	N	N
Cooperative State Research Service	N	N	N	N	N	N	N	N	N	N
National Agricultural Library	N	N	N	N	N	N	N	N	N	N
Department of Commerce	T	T	T	T	T	T	T	T	T	T
Bureau of the Census	X	X	X	X	X	X	X	X	X	X
Economic Development Administration	X	X	X	X	X	X	X	X	X	X
Maritime Administration	N	N	N	N	N	N	N	N	N	N
Minority Business Development Agency	0	0	0	0	0	0	0	0	0	0
National Fire Prevention & Control Administration	N	N	N	N	N	N	N	N	N	N
National Institute of Standards & Technology	X	X	X	X	X	X	X	X	X	X
National Oceanic & Atmospheric Administration	X	X	X	X	X	X	X	X	X	X
National Technical Information Service	0	0	0	0	0	0	0	0	0	0
National Telecommunications & Information Administration	X	X	X	X	X	X	X	X	X	X
Office of Telecommunications	N	N	N	N	N	N	N	N	N	N
Office of the Secretary	X	X	X	X	X	X	X	X	X	X
Patent & Trademark Office	0	0	0	0	0	0	0	0	0	0
Department of Defense	T	T	T	T	T	T	T	T	T	T
Department of the Army, Civil Functions	X	X	X	X	X	X	X	X	X	X
Department of the Army, Military Functions	X	X	X	X	X	X	X	X	X	X
Military Construction	0	0	0	0	0	0	0	0	0	0
Pay & Allowances of Military Personnel in R&D	0	0	0	0	0	0	0	0	0	0
RDT&E Appropriation	0	0	0	0	0	0	0	0	0	0
Special Foreign Currency Program	0	0	0	0	0	0	0	0	0	0
Department of the Navy	X	X	X	X	X	X	X	X	X	X
Military Construction	0	0	0	0	0	0	0	0	0	0
Pay & Allowances of Military Personnel in R&D	0	0	0	0	0	0	0	0	0	0
RDT&E Appropriation	0	0	0	0	0	0	0	0	0	0
Special Foreign Currency Program	0	0	0	0	0	0	0	0	0	0
Department of the Air Force	X	X	X	X	X	X	X	X	X	X
Military Construction	0	0	0	0	0	0	0	0	0	0
Pay & Allowances of Military Personnel in R&D	0	0	0	0	0	0	0	0	0	0

See explanatory information and SOURCE at end of table.

Table A-2. Agencies included in the Survey of Federal Funds for
Research and Development: Volumes 36-45

Page 2 of 4

Agency	Vol 36	Vol 37	Vol 38	Vol 39	Vol 40	Vol 41	Vol 42	Vol 43	Vol 44	Vol 45
RDT&E Appropriation	0	0	0	0	0	0	0	0	0	0
Defense Agencies	X	T	T	T	T	T	T	T	T	T
Ballistic Missile Defense Organization	0	0	0	0	X	X	X	X	X	X
Defense Advanced Research Projects Agency	0	0	0	0	X	X	X	X	X	X
Defense Information Systems Agency	0	0	0	0	X	X	X	X	X	X
Defense Logistics Agency	0	0	0	0	X	X	X	X	X	X
Defense Mapping Agency	0	0	0	0	X	X	X	X	X	X
Defense Nuclear Agency	0	0	0	0	X	X	X	X	X	X
Joint Staff	0	0	0	0	X	X	X	X	X	X
Special Operations Command	0	0	0	0	X	X	X	X	X	X
Uniformed Services University of the Health Sciences	0	0	0	0	X	X	X	X	X	N
Washington Headquarters Services	0	0	0	0	X	X	X	X	X	X
Defense Civil Preparedness Agency	N	N	N	N	N	N	N	N	N	N
Health Affairs, Assistant Secretary of Defense for	N	N	N	N	N	X	0	0	0	0
Operational Test & Evaluation, Director	X	X	X	X	X	X	X	X	X	X
Test & Evaluation, Deputy Under Secretary of Defense	X	X	X	X	X	X	X	X	X	X
Department of Education	X	X	X	X	X	X	X	X	X	X
Department of Energy	X	X	X	X	X	X	X	X	X	X
Department of Health, Education, & Welfare	N	N	N	N	N	N	N	N	N	N
Alcohol, Drug Abuse, & Mental Health Administration	N	N	N	N	N	N	N	N	N	N
Center for Disease Control	N	N	N	N	N	N	N	N	N	N
Food & Drug Administration	N	N	N	N	N	N	N	N	N	N
Health Care Financing Administration	N	N	N	N	N	N	N	N	N	N
Health Resources Administration	N	N	N	N	N	N	N	N	N	N
Health Services Administration	N	N	N	N	N	N	N	N	N	N
National Institute of Education	N	N	N	N	N	N	N	N	N	N
National Institutes of Health	N	N	N	N	N	N	N	N	N	N
Office of Assistant Secretary for Education	N	N	N	N	N	N	N	N	N	N
Office of Assistant Secretary for Health	N	N	N	N	N	N	N	N	N	N
Office of Education	N	N	N	N	N	N	N	N	N	N
Office of Human Development Services	N	N	N	N	N	N	N	N	N	N
Office of the Secretary	N	N	N	N	N	N	N	N	N	N
Social & Rehabilitation Service	N	N	N	N	N	N	N	N	N	N
Social Security Administration	N	N	N	N	N	N	N	N	N	N
Department of Health & Human Services	T	T	T	T	T	T	T	T	T	T
Administration on Aging	N	N	N	N	N	X	X	X	X	X
Administration for Children & Families	N	N	N	N	N	X	X	X	X	X
Agency for Health Care Policy & Research	N	N	N	N	X	X	X	X	X	X
Alcohol, Drug Abuse, & Mental Health Administration	X	X	X	X	X	X	N	N	N	N
Centers for Disease Control & Prevention	X	X	X	X	X	X	X	X	X	X
Food & Drug Administration	X	X	X	X	X	X	X	X	X	X
Health Care Financing Administration	X	X	X	X	X	X	X	X	X	X
Health Resources Administration	N	N	N	N	N	N	N	N	N	N
Health Resources & Services Administration	X	X	X	X	X	X	X	X	X	X
Health Services Administration	N	N	N	N	N	N	N	N	N	N
Human Development Services	X	X	X	X	X	N	N	N	N	N
National Institutes of Health	X	X	X	X	X	X	X	X	X	X
Office of the Assistant Secretary for Health	X	X	X	X	X	X	X	X	X	X
Office of the Secretary	X	X	X	X	X	X	X	X	X	X
Social Security Administration	X	X	X	X	X	X	X	X	X	X
Department of Housing & Urban Development	X	X	X	X	X	X	X	X	X	X

See explanatory information and SOURCE at end of table.

**Table A-2. Agencies included in the Survey of Federal Funds for
Research and Development: Volumes 36-45**

Page 3 of 4

Agency	Vol 36	Vol 37	Vol 38	Vol 39	Vol 40	Vol 41	Vol 42	Vol 43	Vol 44	Vol 45
Department of the Interior	T	T	T	T	T	T	T	T	T	T
Bonneville Power Administration	N	N	N	N	N	N	N	N	N	N
Bureau of Land Management	X	X	X	X	X	X	X	X	0	0
Bureau of Mines	X	X	X	X	X	X	X	X	X	0
Bureau of Reclamation	X	X	X	X	X	X	X	X	X	X
Geological Survey	X	X	X	X	X	X	X	X	X	X
Heritage Conservation & Recreation Service	N	N	N	N	N	N	N	N	N	N
Minerals Management Service	X	X	X	X	X	X	X	X	X	X
National Biological Service	N	N	N	N	N	N	N	X	X	X
National Park Service	X	X	X	X	X	X	X	X	X	X
National Resources Library	N	N	N	N	N	N	N	N	N	N
Office of the Secretary	X	X	X	X	X	X	X	X	X	X
Office of Surface Mining Reclamation & Enforcement	X	X	X	X	X	X	X	X	X	0
Office of Water Research & Technology	N	N	N	N	N	N	N	N	N	N
United States Fish & Wildlife Service	X	X	X	X	X	X	X	X	0	0
Department of Justice	T	T	T	T	T	T	T	T	T	T
Bureau of Prisons	X	X	X	X	X	X	X	X	X	X
Drug Enforcement Administration	X	X	X	X	X	X	X	X	X	X
Federal Bureau of Investigation	X	X	X	X	X	X	X	X	X	X
Immigration & Naturalization Service	X	X	X	X	X	X	X	X	X	X
Office of Justice Programs	X	X	X	X	X	X	X	X	X	X
Office of Legal Policy	X	X	0	0	0	0	0	0	0	0
Department of Labor	T	T	T	T	T	T	T	T	T	T
Bureau of Labor Statistics	X	X	X	X	X	X	X	X	X	X
Employment Standards Administration	X	X	X	X	X	0	0	0	0	0
Employment & Training Administration	X	X	X	X	X	X	X	X	X	X
Labor-Management Relations & Cooperative Programs	X	X	X	X	N	N	N	N	N	N
Labor-Management Services Administration	N	N	N	N	N	N	N	N	N	N
Occupational Safety & Health Administration	X	X	X	X	X	X	X	X	X	X
Office of the Secretary	X	X	X	X	X	X	X	X	X	X
Pension Benefit Guaranty Corporation	X	X	X	X	X	X	X	X	X	X
Pension & Welfare Benefits Administration	X	X	X	X	X	X	X	X	X	X
Department of State	X	X	X	X	X	X	X	X	X	X
Agency for International Development	N	N	N	N	N	N	N	N	N	N
Departmental Funds	0	0	0	0	0	0	0	0	0	0
Department of Transportation	T	T	T	T	T	T	T	T	T	T
Coast Guard	X	X	X	X	X	X	X	X	X	X
Federal Aviation Administration	X	X	X	X	X	X	X	X	X	X
Federal Highway Administration	X	X	X	X	X	X	X	X	X	X
Federal Railroad Administration	X	X	X	X	X	X	X	X	X	X
Federal Transit Administration	X	X	X	X	X	X	X	X	X	X
Infrastructure Investment	N	N	N	N	N	N	N	N	X	N
Maritime Administration	X	X	X	0	X	X	X	X	X	X
Materials Transportation Bureau	0	0	0	0	0	0	0	0	0	0
National Highway Traffic Safety Administration	X	X	X	X	X	X	X	X	X	X
Office of the Secretary	X	X	X	X	X	X	X	X	X	X
Research & Special Programs Administration	X	X	X	X	X	X	X	X	X	X
Department of the Treasury	T	T	T	T	T	T	T	T	T	T
Bureau of Alcohol, Tobacco, & Firearms	N	N	N	N	N	N	N	N	N	N
Bureau of Engraving & Printing	X	X	X	X	X	X	X	X	X	X
Financial Crimes Enforcement Network	0	0	0	0	0	X	X	X	0	0
Internal Revenue Service	X	X	X	X	X	X	X	X	X	X

See explanatory information and SOURCE at end of table.

Table A-2. Agencies included in the Survey of Federal Funds for Research and Development: Volumes 36-45

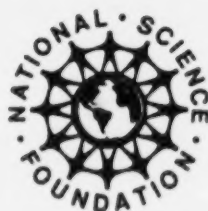
Page 4 of 4

Agency	Vol 36	Vol 37	Vol 38	Vol 39	Vol 40	Vol 41	Vol 42	Vol 43	Vol 44	Vol 45
Office of Thrift Supervision	N	N	N	N	0	X	X	X	X	X
United States Customs Service	X	X	X	X	X	X	X	X	X	X
United States Mint	X	X	X	X	X	X	X	X	X	X
United States Secret Service	X	X	X	X	X	X	X	X	X	X
Department of Veterans Affairs	X	X	X	X	X	X	X	X	X	X
Other agencies										
ACTION	0	0	0	0	0	0	0	0	0	0
Advisory Commission on Intergovernmental Relations	X	X	X	X	X	X	X	X	X	X
Appalachian Regional Commission	X	X	X	X	X	X	X	X	X	X
Civil Service Commission	N	N	N	N	N	N	N	N	N	N
Community Services Administration	N	N	N	N	N	N	N	N	N	N
Consumer Product Safety Commission	X	X	X	X	X	X	X	X	X	X
Energy Research & Development Administration	N	N	N	N	N	N	N	N	N	N
Energy Security Trust Fund	N	N	N	N	N	N	N	N	N	N
Environmental Protection Agency	X	X	X	X	X	X	X	X	X	X
Federal Communications Commission	X	X	X	X	X	X	X	X	X	X
Federal Emergency Management Agency	0	0	0	0	0	0	0	0	0	0
Defense Civil Preparedness Agency	0	0	0	0	0	0	0	0	0	0
National Fire Prevention & Control Administration	0	0	0	0	0	0	0	0	0	0
Federal Energy Administration	N	N	N	N	N	N	N	N	N	N
Federal Trade Commission	X	X	X	X	X	X	X	X	X	X
Foundation for Educational Assistance	N	N	N	N	N	N	N	N	N	N
General Services Administration	X	X	X	X	X	X	X	X	X	X
International Development Cooperation Agency	T	T	T	T	T	T	T	T	T	T
Agency for International Development	X	X	X	X	X	X	X	X	X	X
Institute for Scientific & Technological Cooperation	0	0	0	0	0	0	0	0	0	0
Interstate Commerce Commission	0	0	0	0	0	0	0	0	0	0
Library of Congress	X	X	X	X	X	X	X	X	X	X
National Aeronautics & Space Administration	X	X	X	X	X	X	X	X	X	X
National Archives & Records Administration	X	X	X	X	X	X	X	X	X	X
National Science Foundation	X	X	X	X	X	X	X	X	X	X
Nuclear Regulatory Commission	X	X	X	X	X	X	X	X	X	X
Office of Personnel Management	0	0	0	0	0	0	0	0	0	0
Office of Telecommunications Policy	N	N	N	N	N	N	N	N	N	N
Office of Thrift Supervision	X	X	X	X	X	N	N	N	N	N
Small Business Administration	0	0	0	0	0	0	0	0	0	0
Smithsonian Institution	X	X	X	X	X	X	X	X	X	X
Social Security Administration	N	N	N	N	N	N	N	N	N	N
Tennessee Valley Authority	X	X	X	X	X	X	X	X	X	X
United States Arms Control & Disarmament Agency	X	X	X	X	X	X	X	X	X	X
United States Information Agency	X	X	X	X	X	X	X	X	X	X
United States International Trade Commission	X	X	X	X	X	X	X	X	X	X

NOTE: Federal funds data, as collected, always span 3 Government fiscal years: the fiscal year just completed, the current fiscal year, and the President's budget year. Actual data are collected for the year just completed, and estimates are obtained for the current fiscal year and the budget year. For Volume 45 (see table A-2), for example, actual data were collected for FY 1995 and estimates were collected for FY 1996 and FY 1997.

KEY: N = The agency did not exist as such; therefore no data are available.
 0 = The agency existed but had no R&D to report.
 T = The agency existed but data were not collected at this level.
 x = The agency existed and data were collected and submitted by the agency.

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997



The National Science Foundation promotes and advances scientific progress in the United States by competitively awarding grants for research and education in the sciences, mathematics and engineering.

To get the latest information about program deadlines, to download copies of NSF publications, and to access abstracts of awards, visit the NSF Web site at:

<http://www.nsf.gov>

- | | |
|---|--|
| ■ Location: | 4201 Wilson Blvd.
Arlington, VA 22230 |
| ■ For General Information (NSF Information Center): | (703) 306-1234 |
| ■ TDD (for the hearing-impaired): | (703) 306-0090 |
| ■ To Order Publications or Forms: | |
| Send an e-mail to: | pubs@nsf.gov |
| or telephone: | (301) 947-2722 |
| ■ To Locate NSF Employees: | (703) 306-1234 |

 Order Form

Please send me the following reports, free of charge:

Title	NSF No.	
<i>Data Brief, "Federal Agencies' Academic S&E Obligations Continued to Climb in FY 1995"</i>	97-307	☐
<i>Data Brief, "Federal Basic Research Share Grows During a Period of Declining R&D"</i>	97-308	☐
<i>Data Brief, "President's FY 1998 Budget Asks for Slightly Lower Inflation-Adjusted R&D Spending"</i>	97-320	☐
<i>Federal R&D Funding by Budget Function: Fiscal Years 1996-98</i>	forthcoming	☐

☐ Check here to receive the latest SRS *Publications List*.

Name	
Address	
City	
State	Zip
Phone	Fax

To order SRS publications, fill out order form, cut on dotted line, fold in half, tape, and drop in the mail. No postage is necessary. Form can also be sent via fax, at 703-306-0510.

NATIONAL SCIENCE FOUNDATION
ARLINGTON, VA 22230



NO POSTAGE
NECESSARY
IF MAILED
IN THE
UNITED STATES

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE \$300

BUSINESS REPLY CARD

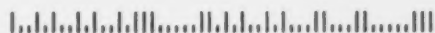
FIRST CLASS

PERMIT NO. 12806

ARLINGTON, VA



National Science Foundation
Division of Science Resources Studies
Publications Unit
4201 Wilson Blvd., Suite 965
Arlington, VA 22203-9966



Fold here

Please tape here (do not staple)

324

314

NATIONAL SCIENCE FOUNDATION
ARLINGTON, VA 22230

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE \$300

RETURN THIS COVER SHEET TO ROOM P35 IF YOU DO
NOT WISH TO RECEIVE THIS MATERIAL ☐ , OR IF
CHANGE OF ADDRESS IS NEEDED ☐ , INDICATE
CHANGE INCLUDING ZIP CODE ON THE LABEL (DO NOT
REMOVE LABEL).

ERIC/CSMEE
1929 KENNY ROAD
COLUMBUS OH 43210-1015

BEST COPY AVAILABLE

325

SPECIAL STANDARD B
POSTAGE & FEES PAID
National Science Foundation
Permit No. G-69

NSF 97-327